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# LPCB Red Book



# 2

## Part: 4 Security protection products

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## Introduction

BRE Global Ltd, based in the UK near London, is an independent third party organisation offering certification of fire, security and sustainability products and services to an international market. LPCB is the certification brand used for fire and security products and services. The LPCB mark is accepted worldwide. We have representative offices in China, India and Dubai. We are owned by the BRE Trust, a not-for-profit organisation.

LPCB listings can be accessed, free of charge, at [www.redbooklive.com](http://www.redbooklive.com) or via apps from Apple, Google and Windows.

BRE Global Ltd is also a Notified Certification Body and Notified Test Laboratory for:-

- Construction Products Regulation
- Pressure Equipment Directive
- Marine Equipment Directive
- Transport Pressure Equipment Directive

BRE Global additionally carries out:

- Fire Investigation
- Fire Risk Assessment
- Fire Safety Engineering
- Research
- Training

## LPCB Listings

Listings are given in sections which list related groups of products and services such as suppression, security and so on. Each section also summarises the technical basis for the certification of each product or service. The Red Book listings should always be used in conjunction with rules, regulations and design specifications required by the relevant Authority having jurisdiction.

Listings comprise:

Volume 1:

- Fire detection and alarm products, systems, and cables
- Manual fire extinguishing equipment
- Automatic sprinkler, water spray and deluge systems
- Fixed fire fighting products and systems
- Watermist systems
- Related installers

**Volume 2: (This Volume)**

- **Passive fire protection products**
- **Security protection products**
- **Fire doors and shutters**
- **Smoke and fire ventilation systems**
- **Security Assessments - SABRE**
- **Related installers**
- **Management Systems**
- **Construction products**

Listings are given in the name of the manufacturer or service provider, in alphabetical order. They can be downloaded free of charge from our website at [www.redbooklive.com](http://www.redbooklive.com) and also via an App that is available free from Apple iStore (for iPhone and iPad), from Google Play, (for Android phones and tablets) and Windows Store (for Windows 8 phones).

## Updates

Certification of products and services are updated regularly. To ensure that you are using the most up to date information please refer to <<<<<www.redbooklive.com>>>>> or download the App.



## What is Third Party Certification?

A frequent concern of stakeholders is in knowing whether a product will perform in accordance with the stated specifications. These concerns can involve such product attributes as safety, health or environmental impacts, durability, compatibility, suitability for intended purposes or for stated conditions, and other similar considerations. These issues can all be addressed through product certification.

Third party certification is a conformity assessment process, carried out by a body that is independent of both supplier and customer organisations. It provides confirmation that products and services have met and will continue to meet the requirements of specified standards and other normative documents.

LPCB third party product certification schemes are quality assurance schemes and comprise initial type testing and technical evaluation, assessment and surveillance of the manufacturer's quality system and factory production procedures, regular audit testing, labelling and listing.

Similarly, LPCB schemes for suppliers of services (installers) are also quality assurance schemes comprising a technical assessment of an installer's capability, assessment and surveillance of the installer's quality system and production procedures, regular inspection of completed installations and listing.

## Benefits of Third Party Certification

For specifiers, regulators, insurers, manufacturers and installers, the benefits of an LPCB approval are:

### For specifiers and regulators:

- Risk reduction - specifying LPCB approved products and services demonstrates due-diligence and best endeavour and mitigates against possible accusations of negligence.
- Avoidance of costly mistakes - you can trust LPCB approved products and services to conform each and every time.
- Time - using Red Book Live to search for and assess products and services can save you time.

### For manufacturers and installers:

- Increased global sales - LPCB approval is recognised and specified widely throughout the world. In some territories LPCB approval is a mandatory requirement.
- Added value of the product or service - LPCB approved products and services are recognised as providing added value given their ability to conform each and every time.
- Reduced liability - LPCB approved products and services demonstrate due-diligence which can reduce liability for both you and your customers.

## What does LPCB Certification offer?

LPCB certification is carried out against Loss Prevention Standards (LPS's). These LPS's include reference to BS, EN or ISO standards as appropriate. LPCB certification are level 5 schemes as detailed in ISO/ IEC 17067 with the added requirement to have a quality system certificated to ISO 9001.

## VOLUME 2 LIST OF APPROVED PRODUCTS AND SERVICES

The technical requirements of LPCB schemes are given in the Loss Prevention Standards (LPSs). These documents are drafted by LPCB technical experts in conjunction with appropriate external experts. They are then peer reviewed by representatives from trade bodies, regulators, insurers, specifiers, manufacturers and other suppliers. Finally these documents are approved for use by the BRE Global Governing Body; the Body that oversees all of the certification activities of BRE Global.

### **Product schemes comprise:**

- Initial type testing and evaluation of product.
- Approval and surveillance of the manufacturer's (or supplier's) quality management system to ISO 9001
- Assessment and surveillance of the manufacturer's (or supplier) factory production control system (FPC).
- Periodic audit testing of the product from either the factory or marketplace.
- Labelling or marking as appropriate.
- Listing on Red Book Live

### **Installer schemes comprise:**

- Technical assessment of the installation contractor's capability.
- Approval and surveillance of the contractor's quality management system to ISO 9001 or assessment against the requirements of the relevant Loss Prevention Standard where ISO 9001 is not appropriate.
- Regular surveillance inspections of on-going installations.
- The issue of Certificates of Conformity by the installer to demonstrate compliance for each installation.
- Listing in the Red Book.

### **The LPCB Mark - the Mark you can trust**

After certification of a product or service the manufacturer or service provider may place the LPCB certification mark, as shown below, on the product, packaging and literature etc.



Where LPCB holds accreditation through the United Kingdom Accreditation Service (UKAS), the certified company may include the UKAS symbol (the Crown and Tick) alongside the LPCB mark for certain applications e.g. promotional literature or material and stationery, as shown below.



(Full details of LPCB accreditation can be found on the UKAS website at [www.ukas.com](http://www.ukas.com))

Where for reasons of space or cost the use of the above full mark is not practical, then the following simplified mark may be applied directly to the product (for some schemes only). The LPCB scheme rules define how and where the marks can be used.



The products listed in Volume 2: Part 5 - Construction Products, are approved under our BRE Global Certification brand - the certification mark for this brand is:-



|  |          |
|--|----------|
| <b>4 Security protection products</b>                                      | <b>1</b> |
| SECTION 1.1 Intrusion and hold-up alarm system components                  | 3        |
| SECTION 1.2 Alarm transmission equipment and systems                       | 4        |
| SECTION 1.2.1 Supervised premises transceivers (Security) LPS 1277         | 5        |
| SECTION 2 Safes, strongrooms and secure safe cabinets                      | 7        |
| SECTION 2.1 Safes  | 9        |
| SECTION 2.2 Secure safe cabinets   | 14       |
| SECTION 2.3 Deposit safes  | 16       |
| SECTION 2.4 Strongrooms  | 17       |
| SECTION 3 Secure enclosures  | 18       |
| SECTION 4 Key safes  | 37       |
| SECTION 5 Physical security protection of buildings and other facilities   | 40       |
| SECTION 5.1 Security doorsets  | 45       |
| SECTION 5.2 Security windows   | 79       |
| SECTION 5.3 Rooflights   | 82       |
| SECTION 5.4 Garage doors   | 85       |
| SECTION 5.5 Security grilles, blinds and barsets                           | 86       |
| SECTION 5.6 Security shutters  | 96       |
| SECTION 5.7 Perforated security screens                                    | 102      |
| SECTION 5.8 Louvre vents   | 103      |
| SECTION 5.9 Secure walling systems   | 107      |
| SECTION 5.10 Secure roofing systems  | 115      |
| SECTION 5.11 Security glazing  | 116      |
| SECTION 6 Access covers and hatches  | 118      |
| SECTION 7 Perimeter security products                                      | 128      |
| SECTION 7.1 Security fencing   | 129      |
| SECTION 7.2 Security gates   | 137      |
| SECTION 7.3 Turnstiles   | 144      |
| SECTION 8 Vehicle security barriers  | 145      |
| SECTION 9 Cycle racks and stands   | 146      |
| SECTION 10 Gas cylinder security devices                                   | 147      |
| SECTION 11 Physical security devices for computers and other ICT equipment | 149      |
| SECTION 12 Anti-bandit ATM security devices                                | 151      |
| SECTION 13 Database management for asset marking                           | 152      |
| SECTION 14 Asset marking systems   | 154      |
| SECTION 15 'Theft resistant' electronic products                           | 158      |
| SECTION 16 Padlocks and padlock fittings                                   | 160      |

|  |                     |   |                                |
|--|---------------------|---|--------------------------------|
| <b>A</b>   |                     | <b>K</b>  |                                |
| AccentHansen   | 45                  | Kaba Limited t/a dormakaba                                    | 162                            |
| Advanced Doors Limited   | 96                  | Kingsley Plastics Limited                                     | 23, 60                         |
| Alexandra Security Limited   | 129, 137            | <b>L</b>  |                                |
| Armourpost Limited   | 96                  | Liddle Doors Limited  | 24, 61, 89, 148                |
| Ascot Doors Limited  | 46, 96              | Lincoln Security Limited                                      | 61                             |
| Asgard Secure Steel Storage (a trading division of Flexiform Business Furniture Limited) | 18                  | Lion Steelworks SDN. BHD.                                     | 12                             |
| Assa Abloy Limited T/A Abloy UK  | 160                 | <b>M</b>  |                                |
| Assa Abloy Limited T/A Assa Abloy Security Doors   | 47                  | MCL Industrial Enclosures Limited                             | 25                             |
| <b>B</b>   |                     | Morgan Marine Limited   | 26                             |
| Barkers Engineering Limited  | 19, 129, 138        | <b>N</b>  |                                |
| Bastion Security Products Limited  | 20, 49, 103, 107    | NK Fencing Limited  | 135                            |
| BenweldSecure Limited  | 20, 49, 86          | Northstone NI Limited T/A CUBIS Industries                    | 119                            |
| Betafence Limited  | 130                 | NPS GRP Limited   | 26                             |
| Bolton Gate Co. Limited  | 50                  | <b>P</b>  |                                |
| Booth Industries Limited   | 50                  | Pacom Systems Pty Ltd   | 3                              |
| Bradbury Security  | 21, 51, 86, 149     | Peter Savage Limited  | 120                            |
| Britannia Metador  | 54                  | Premier Security Solutions Limited                            | 63, 108                        |
| BT PLC   | 5                   | Pro-TECT GRP Enclosures Limited                               | 27                             |
| Burton Safes Limited   | 21, 37, 55, 88, 107 | PSF Wales Limited   | 27, 64, 90, 104, 122           |
| <b>C</b>   |                     | <b>Q</b>  |                                |
| CGT Security Limited   | 97                  | Quinshield Limited  | 29                             |
| Charter Global Limited   | 98                  | <b>R</b>  |                                |
| Chubb Fire and Security Limited  | 6                   | R & D Sheetmetal Limited                                      | 30, 66, 79, 109                |
| CLD Fencing Systems  | 130, 138            | RCS Manufacturing Limited                                     | 30, 110                        |
| CRH Fencing & Security Group (UK) t/a HERAS  | 132                 | Retainagroup Limited  | 152, 154                       |
| <b>D</b>   |                     | Robust UK Limited   | 66                             |
| Datag ID Limited   | 152                 | <b>S</b>  |                                |
| Design & Supply Limited  | 56                  | Safe Partnership  | 67                             |
| DoorTechnik  | 57                  | Saint Gobain PAM UK Limited                                   | 122                            |
| Dudley Safes Limited   | 9, 14               | Selectaglaze Limited  | 80                             |
| Duplus Architectural Systems Limited   | 82                  | Selectamark Security Systems Plc                              | 153, 155                       |
| <b>E</b>   |                     | Sentrilock LLC  | 37                             |
| EJ Ardennes  | 118                 | Simbars (UK) Limited  | 91                             |
| ESG Group Limited  | 117                 | SMP Security Solutions Limited                                | 12, 14                         |
| <b>F</b>   |                     | Southern Grille & Gate Limited                                | 91                             |
| Fortress Glass Technology LLP  | 58, 99              | Stafford Bridge Doors Limited                                 | 68, 81, 104                    |
| Frontier Pitts Ltd   | 139, 144            | Steelway Fensecure Limited                                    | 31, 69, 91, 110                |
| <b>G</b>   |                     | Steelway Fensecure Limited t/a Steelway Brickhouse            | 123                            |
| Gilgen Door Systems UK Limited   | 99                  | Sunray Engineering Limited                                    | 70, 92, 104, 112               |
| Glazing Vision Limited   | 83                  | Surelock McGill Limited                                       | 105                            |
| Godrej & Boyce Mfg. Co. Ltd  | 10, 14              | SWS UK  | 85, 93, 101, 102               |
| <b>H</b>   |                     | <b>T</b>  |                                |
| H S Jackson & Son (Fencing) Limited, t/a Jacksons Fencing                                | 133, 139            | Technocover Limited (incorporating TechnoRail and Strataform) | 32, 73, 93, 105, 112, 124, 148 |
| Hamilton Erskine Limited   | 117                 | The Expanded Metal Company Limited                            | 94, 113, 135, 142              |
| Harlech Industrial Doors Limited   | 100                 | The Parkside Group Limited                                    | 76                             |
| Hart Door Systems  | 101                 | The Rooflight Company   | 84                             |
| Henry Squire & Sons Limited  | 161                 | Tortorolo & Re S.p.A.   | 76                             |
| Hodgson Sayers Limited   | 59                  | Total Flood Solutions   | 34, 77                         |
| Hugslock Systems Limited   | 119                 | Trellicor (Pty) Limited                                       | 94                             |
| <b>I</b>   |                     | Trimetals Limited   | 35                             |
| Icopal S. A.   | 115                 | Tyrone Fabrication Limited                                    | 35                             |
| Insafe International Limited   | 12                  | <b>U</b>  |                                |
| ISEO Serrature s.p.a   | 161                 | Urban Front   | 77                             |
| Isoclad Limited  | 23, 108             | UTC Fire & Security B.V Electronic Key Solutions              | 38                             |

## **INDEX**

|                          |             |                              |          |
|--------------------------|-------------|------------------------------|----------|
| UTC Fire & Security B.V. | 38          | William Bain Fencing Limited | 136, 143 |
| <b>W</b>                 |             |                              |          |
| Warrior Doors Limited    | 36, 78, 113 |                              |          |



*Part*

*4*

*SECURITY PROTECTION  
PRODUCTS*

## **PART 4: SECURITY PROTECTION PRODUCTS**

### **INTRODUCTION**

The effects of crime on a commercial business can be devastating. Some businesses never recover from the consequential losses; the interruption to business continuity, the theft of capital, stock or intellectual property and even the loss of the entire business premises due to arson. Figures released by the Home Office in 2013 based on the 2012 Commercial Victimization Survey<sup>1</sup> show there were 340 burglaries or attempted burglaries per 1000 commercial premises in urban areas of the UK (206 in rural areas). Forced entry through doors to facilitate the theft of goods and stock being the most commonly reported incidents.

Installing security measures that provide early detection of an intrusion attempt and effective physical security that provides a suitable delay to intrusion greatly increases the likelihood that intruders can be apprehended at the scene. This not only reduces the likelihood of such crimes being successful, it acts as an effective deterrent, greatly reducing the chance of being targeted by intruders in the first instance.

Using security products approved by LPCB to protect people, property and assets is an effective way of mitigating many of the risks associated with crime and increasingly, the threat of terrorism. LPCB works closely with police, government, insurers, end users, security equipment specifiers and manufacturers to develop methods by which the quality of product performance and product reliability can be assessed effectively.

The products listed in this section have been rigorously tested and assessed by LPCB experts to a range of standards. Their on-going conformity is assured through rigorous surveillance programmes involving periodic auditing of production and regular inspection of the products themselves during production.

Details of the standards to which the products are approved are given at the front of each subsection relevant to the product type.

The range of products listed is extensive and includes physical barrier type products, asset marking, computer protection equipment as well as electronic detection and surveillance equipment.

The scope of each product's approval is described in the relevant section and on the certificates issued to the approved manufacturer. It is important to ensure only products covered by the scope detailed on the LPCB certificate are selected. This is because products outside that scope may not provide an equivalent level of security.

<sup>1</sup> Home Office publication - *Crime against businesses: Detailed findings from the 2012 Commercial Victimization Survey. June 2013*

This section lists components of intrusion and hold-up alarm systems where compliance with the applicable part of the EN 50131 series of product standards has been confirmed by LPCB experts and most importantly on going assessment confirms the component continues to comply with the requirements.

Loss Prevention Standards LPS 1602 (movement detectors) and LPS1603 (control and indicating equipment) have been withdrawn and are superseded by European Standards EN 50131-2-2, EN 50131-2-3, EN 50131-2-4 and EN 50131-2-5 for movement detectors and EN 50131-3 and EN 50131-6 for control and indicating equipment and power supply equipment.

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Certificate No: 1378a to EN 50131-3: 2009, EN 50131-6: 2008 + A1: 2014, EN 50131-10: 2014 and EN 50136-2: 2013

***Alarm Systems - Intrusion and Hold-Up Systems***

| Product Name                                | LPCB Ref. No. |
|---|---------------|
| Pacom 8003 Control and Indicating Equipment | 1378a/01      |

A copy of the certificate, confirming the full scope of the product certification, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 1.2**

### **ALARM TRANSMISSION EQUIPMENT AND SYSTEMS**

This section lists alarm transmission equipment suitable for use with intrusion and hold-up alarm systems. Alarm transmission and fault warning routing equipment suitable for use with fire alarm systems is listed in 'Fire Detection and Alarm Systems; Supervised Premises Transceivers (fire)'.

Where alarm transmission equipment is suitable for use with both intrusion and hold-up systems and fire alarm systems, the entry will appear in 'Intruder and Hold-up Alarm System Components' and 'Fire Detection and Alarm Systems; Supervised Premises Transceivers (fire)'.

The following standard is currently used for the certification scheme:

- LPS 1277 Issue 4, *Requirements for LPCB Certification and Red Book Listing of Supervised Premises Transceivers: Intrusion and Hold-up Alarm Systems.*

Where appropriate within LPS 1277, reference has been made to published standards for intrusion and hold-up systems including EN 50131-1 together with the alarm transmission system and product standards EN 50136-1: 2012 and EN 20136-2: 2013.

Particular emphasis is placed on the verification of manufacturers' claims, by measuring alarm transmission times over the transmission path(s) between the equipment under test and the corresponding receiving centre. The response to the reporting of fault conditions is measured in a similar way.

The results of these measurements are expressed in terms of alarm transmission system performance criteria, DP 1-4 and SP 1-6 using the parameters D, M, T and where applicable S and I.

Where:

D = Transmission time classification  
M = Transmission time maximum values  
T = Fault reporting time classification  
S = Substitution Security  
I = Information Security

Availability is considered a key parameter under LPCB certification and is therefore included within the requirements of LPS 1277. The resultant performance is expressed using the parameter 'A' for Availability.

The measured parameters are used to determine the performance classification (DP 1-4 and SP 1-6), that when used in conjunction with warning devices provide notification according to the security grade of the intrusion and hold-up alarm system (I&HAS) as defined in EN 50131-1.

Products compliant with LPS 1277 Issue 4 meet 'enhanced' performance classifications which includes an additional 10 minute fault reporting time, timed 'stepped up' fault reporting after the loss of the primary path and the reporting of a catastrophic failure, in event of the simultaneous loss of multiple transmission paths.

To assist specifiers in their selection of the products most appropriate for protecting their risks, the LPCB enhanced performance ratings are included with the product listing entry in the Redbook as an indicator of the level of performance that can be expected from the alarm transmission system.

Compliance with relevant safety standards and applicable mandatory EU directives is a pre-requisite of LPCB certification and listing. Regular product audits factory inspections are carried out by LPCB to ensure high manufacturing standards and continued compliance with the applicable product standard.

#### **Note**

Since LPCB certifies products against national and international standards, in some instances the requirements of these standards may conflict with the recommendations of local codes of practice. We recommend that specifiers seek advice from the relevant local authorities and amend their specifications accordingly.

The equipment listed in this section has been assessed against the requirements and test methods of LPS 1277 *Requirements for LPCB Approval and listing of Alarm Transmission Systems and Equipment*, Issue 3.

It is essential that the supervised premises transceivers listed in this section are used in accordance with the appropriate installation instructions and the guidance provided in Annex C of LPS 1277 Issue 3 *Requirements for LPCB Approval and listing of Alarm Transmission Systems and Equipment*.

Specifiers are advised to check the issue of LPS 1277 against which the supervised premises transceiver is approved. The current publication of LPS 1277 is Issue 4.

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Certificate No: 1270a to LPS 1277: Issue 3

### Supervised Premises Transceivers

#### Certificated Products

|   |  | LPCB Ref. No. |
|---|--|---------------|
| BT Redcare 5G GSM SPT item code 076195 with Redcare GSM Roaming service | A dual path, PSTN (primary) and GSM (secondary) supervised premises transceiver capable of fulfilling:-<br>LPCB enhanced performance rating ATS 5 with the following EN 50131-1 notification requirements: grade 1 options ABC, grade 2 options ABCD, grade 3 options ABCD, grade 4 options ABC. | 1270a/01      |
| BT Redcare 5G STU SPT item code 049926 with Redcare Classic service     | A single path PSTN supervised premises transceiver capable of fulfilling:-<br>LPCB enhanced performance rating ATS 5 with the following EN 50131-1 notification requirements: grade 1 options ABC, grade 2 options ABD, grade 3 options ABD, grade 4 options AB.                                 | 1270a/02      |

A copy of the certificate, confirming the full scope of the product certification, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 1270c to LPS 1277: Issue 3

### Supervised Premises Transceivers

#### Certificated Products

|  |   | LPCB Ref. No. |
|--|---|---------------|
| BT Redcare Secure Mk3 with Redcare Secure IP service | A dual path, IP (primary) and GPRS (secondary) supervised premises transceiver capable of fulfilling:-<br>LPCB enhanced performance rating ATS 5 with the following EN 50131-1 notification requirements: grade 1 options ABC, grade 2 options ABCD, grade 3 options ABCD, grade 4 options ABC. | 1270c/01      |
| BT Redcare Secure Mk3 with Redcare Secure 3 service  | A dual path, GPRS (primary) and PSTN (secondary) supervised premises transceiver capable of fulfilling:-<br>LPCB enhanced performance rating ATS 4 with the following EN 50131-1 notification requirements: grade 1 options ABC, grade 2 options ABCD, grade 3 options ABC.                     | 1270c/02      |
| BT Redcare Secure Mk3 with Redcare Secure Solo       | A single path GPRS supervised premises transceiver capable of fulfilling:-<br>LPCB enhanced performance rating ATS 3 with the following EN 50131-1 notification   | 1270c/03      |

## **PART 4: SECTION 1.2.1**

### **SUPERVISED PREMISES TRANSCEIVERS (SECURITY) LPS 1277**

#### **Certificated Products**

**LPCB Ref.  
No.**

service requirements: grade 1 options ABC, grade 2 options ABD.

A copy of the certificate, confirming the full scope of the product certification, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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**Certificate No: 1270e to LPS 1277: Issue 3**

#### **Supervised Premises Transceivers**

##### **Certificated Products**

**LPCB Ref.  
No.**

|   |   |          |
|---|---|----------|
| BT Redcare Secure Mk3<br>3G with Redcare Secure IP<br>service   | A dual path, IP (primary) and 3G (secondary) supervised premises transceiver capable of fulfilling:-<br>LPCB enhanced performance rating ATS 5 with the following EN 50131-1 notification requirements: grade 1 options ABC, grade 2 options ABCD, grade 3 options ABCD, grade 4 options ABC. | 1270e/01 |
| BT Redcare Secure Mk3<br>3G with Redcare Secure 3<br>service    | A dual path, 3G (primary) and PSTN (secondary) supervised premises transceiver capable of fulfilling:-<br>LPCB enhanced performance rating ATS 4 with the following ENnotification requirements: grade 1 options ABC, grade 2 options ABCD, grade 3 options ABC.                              | 1270e/02 |
| BT Redcare Secure Mk3<br>3G with Redcare Secure<br>Solo service | A single path 3G supervised premises transceiver capable of fulfilling:-<br>LPCB enhanced performance rating ATS 3 with the following ENnotification requirements: grade 1 options ABC, grade 2 options ABD.  | 1270e/03 |

A copy of the certificate, confirming the full scope of the product certification, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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**Certificate No: 1078b to LPS 1277: Issue 3**

#### **Supervised premises transceivers (security) LPS 1277 Issue 3**

##### **Certificated Products**

**LPCB Ref.  
No.**

|  |  |          |
|--|--|----------|
| 20118531 Chubb<br>eConnect IP/GPRS G4e   | A dual path, Ethernet (primary) and GPRS (secondary) supervised premises transceiver capable of fulfilling:-<br>LPCB enhanced performance rating ATS 5 with the following BS EN 50131-1 notification requirements: grade 1 options ABC, grade 2 options ABCD, grade 3 options ABCD, grade 4 options ABC. | 1078b/01 |
| 20118533 Chubb eConnect<br>GPRS/PSTN G3e | A dual path, GPRS (primary) and PSTN (secondary) supervised premises transceiver capable of fulfilling:-<br>LPCB enhanced performance rating ATS 4 with the following BS EN 50131-1 notification requirements: grade 1 options ABC, grade 2 options ABCD, grade 3 options ABC.                           | 1078b/02 |

A copy of the certificate, confirming the full scope of the product certification, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

This section lists safes, strongrooms and secure safe cabinets that have been designed for the secure storage of cash and valuables, but which may also be used to secure other high risk assets, including secure information.

The safes, strongrooms and security cabinets listed are graded according to their resistance to manual intervention attack tests. These are undertaken by experienced laboratory test engineers using tools carefully selected to achieve access to the contents of the safe using the minimum time and resistance units possible.

Domestic safes and those typically fitted in hotel bedrooms should generally be graded in accordance with EN 14450 *Secure storage units - Requirements, classification and methods of test for resistance to burglary - Secure safe cabinets*.

Commercial safes and strongrooms are either graded in accordance with LPS 1183 Requirements and testing procedures for the LPCB approval and listing of *safe storage units - Part 1: Safes and strongrooms* or EN 1143-1 *Secure storage units - Requirements, classification and methods of test for resistance to burglary - Part1: Safes, strongroom doors and strongrooms*.

Deposit safes are graded in accordance with EN 1143-2 *Secure storage units - Requirements, classification and methods of test for resistance to burglary - Part 2: Deposit systems*.

Specifiers should also consider ensuring safes used for cash recycling (either automated or manual) are approved to:

- EN 1143-1 to ensure any automated cash issuing devices do not undermine the safes resistance to forced entry attacks.
- EN 1143-2 to ensure the safe itself and depository systems resist forced entry and fishing/trapping attacks respectively.

### Cash and Jewellery Ratings

Table 1 indicates typical cash and jewellery ratings attributed to safes and strongrooms according to their approved resistance grade. These ratings should only be used as a guide since each insurer defines their own ratings depending on the performance of the safes and the situation in which the safes and strongrooms are to be used. Specifiers are strongly advised to discuss the issue of cash and jewellery ratings with their insurer prior to selecting a safe or strongroom.

**Table 1: Typical Cash and Jewellery Ratings for Safes and Strongrooms**

| Standard               | Resistance grade | Typical overnight cash rating (£k) | Typical overnight jewellery rating (£k) |
|------------------------|------------------|------------------------------------|---|
| EN 14450               | S1               | 2                                  | 20                                      |
|                        | S2               | 4                                  | 40                                      |
| LPS 1183 and EN 1143-1 | 0                | 6                                  | 60                                      |
|                        | I                | 10                                 | 100                                     |
|                        | II               | 17.5                               | 175                                     |
|                        | III              | 35                                 | 350                                     |
|                        | IV               | 60                                 | 600                                     |
|                        | V                | 100                                | 1000                                    |
|                        | VI               | 150                                | 1500                                    |
|                        | VII to XIII      | -                                  | -                                       |

### Compatible Locks

The locks that have been approved for use on each of the approved safes and strongrooms are listed in the 'compatible locks' section of each manufacturer's entry in the Red Book. Specifiers and end users are advised that the performance of the safes to the relevant standards is dependent on them being fitted with the locks listed.

## ***PART 4: SECTION 2***

### **SAFES, STRONGROOMS AND SECURE SAFE CABINETS**

#### **Installation and maintenance**

It is important to ensure that safes are installed in accordance with the manufacturer's instructions and that all exposed fixings, the substrate into which the device is fitted and the locking mechanisms are regularly checked to ensure that they are in good condition and that they have not been tampered with.



The safes listed in this section are approved by LPCB to one or more of the following standards:

- EN 1143-1 *Secure storage units. Requirements, classification and methods of test for resistance to burglary. Safes, strongroom doors and strongrooms.*
- LPS 1183 *Requirements and testing procedures for the LPCB approval and listing of safe storage units. Part 1: Safes and strongrooms*

Copies of LPS 1183 can be downloaded free of charge from [www.redbooklive.com](http://www.redbooklive.com)

### Explosion (EX) Designation

This optional designation is only applicable to safes achieving grades II and above. This designation indicates a product offers resistance to detonation of a PETN (Pentaerythritol tetranitrate) explosive charge followed by post detonation tool attacks aimed at achieving entry to the safe. Where the use of explosive charges is perceived to be a threat it is recommended products with this designation are selected.

### Core Drill (CD) Designation

This optional designation is only applicable to safes achieving grades IV and above to EN 1143-1. This designation reflects the ability of a product to pass the diamond drill test specified within EN 1143-1, which is designed to demonstrate the product's superior resistance to methods of forced entry that solely involve the use of diamond core drills.

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Tel: +44 (0)1384 239991 • Fax: +44 (0)1384 455129

Website: [www.dudleysafes.com](http://www.dudleysafes.com)

Certificate No: 304a to LPS 1183: Issue 4 and BS EN 1143-1: 2005

### Free-standing Safes

| Product Name       | Size Reference | Security Grade | LPCB Ref. No. |
|--------------------|----------------|----------------|---------------|
| Europa 0           | 1 to 7         | 0              | 304a/01       |
| Europa I           | 1 to 7         | I              | 304a/02       |
| Europa II          | 1 to 7         | II             | 304a/03       |
| Europa III         | 2 to 7         | III            | 304a/04       |
| Europa II (Mk.2)   | 1 to 7         | II             | 304a/05       |
| Europa 0 (Mk.2)    | 1 to 7         | 0              | 304a/06       |
| Europa I (Mk.2)    | 1 to 7         | I              | 304a/07       |
| Europa III (Mk. 2) | 2 to 7         | III            | 304a/08       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 304c to BS EN 1143-1:2012 and LPS 1183: Issue 4

### Free-standing Safes

| Product Name    | Size Reference | External Height (mm) | External Width (mm) | External Depth (mm) | Security Grade | LPCB Ref. No. |
|-----------------|----------------|----------------------|---------------------|---------------------|----------------|---------------|
| Europa 0<br>MK3 | 0              | 400                  | 415                 | 365                 | 0              | 304c/03       |
|                 | 1              | 455                  | 415                 | 423                 | 0              |               |
|                 | 2              | 560                  | 415                 | 423                 | 0              |               |
|                 | 2.5            | 560                  | 500                 | 510                 | 0              |               |
|                 | 3              | 684                  | 519                 | 550                 | 0              |               |
|                 | 4              | 840                  | 608                 | 550                 | 0              |               |
|                 | 5              | 989                  | 608                 | 657                 | 0              |               |
|                 | 6              | 1370                 | 608                 | 657                 | 0              |               |
| Europa 1<br>MK3 | 0              | 400                  | 415                 | 365                 | I              | 304c/04       |

# PART 4: SECTION 2.1

## SAFES

| Product Name | Size Reference | External Height (mm) | External Width (mm) | External Depth (mm) | Security Grade | LPCB Ref. No. |
|--------------|----------------|----------------------|---------------------|---------------------|----------------|---------------|
| Europa 4     | 1              | 455                  | 415                 | 423                 | I              | 304c/01       |
|              | 2              | 560                  | 415                 | 423                 | I              |               |
|              | 2.5            | 560                  | 500                 | 510                 | I              |               |
|              | 3              | 684                  | 519                 | 550                 | I              |               |
|              | 4              | 840                  | 608                 | 550                 | I              |               |
|              | 5              | 989                  | 608                 | 657                 | I              |               |
| Europa 5     | 6              | 1370                 | 608                 | 657                 | I              | 304c/02       |
|              | 1              | 746                  | 657                 | 672                 | IV             |               |
|              | 2              | 988                  | 657                 | 672                 | IV             |               |
|              | 3              | 1228                 | 657                 | 672                 | IV             |               |
|              | 4              | 1228                 | 700                 | 779                 | IV             |               |
|              | 5              | 1563                 | 700                 | 779                 | IV             |               |
| Europa 5     | 6              | 1838                 | 700                 | 779                 | IV             | 304c/02       |
|              | 1              | 746                  | 657                 | 672                 | V              |               |
|              | 2              | 988                  | 657                 | 672                 | V              |               |
|              | 3              | 1228                 | 657                 | 672                 | V              |               |
|              | 4              | 1228                 | 700                 | 779                 | V              |               |
|              | 5              | 1563                 | 700                 | 779                 | V              |               |
|              | 6              | 1838                 | 700                 | 779                 | V              |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Godrej & Boyce Mfg. Co. Ltd

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Certificate No: 954b to BS EN 1143-1: 2012 and LPS 1183: Issue 4

### Free-standing Safes

| Product Name      | Size Ref: | Minimum External Height (mm) | Maximum External Height (mm) <sup>1</sup> | Minimum External Width (mm) | Maximum External Width (mm) <sup>1</sup> | Minimum External Depth (mm) | Maximum External Depth (mm) <sup>1</sup> | Nominal Weight (kg) | Security Grade | LPCB Ref. No. |
|-------------------|-----------|------------------------------|---|-----------------------------|--|-----------------------------|--|---------------------|----------------|---------------|
| Euro Cash Grade 0 | Z14       | 455                          | 555                                       | 455                         | 555                                      | 465                         | 565                                      | 81 <sup>2</sup>     | 0              | 954b/05       |
|                   | Z14S      | 455                          | 555                                       | 405                         | 505                                      | 370                         | 470                                      | 68 <sup>2</sup>     | 0              |               |
|                   | Z19       | 585                          | 685                                       | 405                         | 505                                      | 465                         | 565                                      | 90 <sup>2</sup>     | 0              |               |
|                   | Z19D      | 485                          | 785                                       | 420                         | 620                                      | 515                         | 715                                      | 121 <sup>2</sup>    | 0              |               |
|                   | Z23       | 485                          | 885                                       | 420                         | 620                                      | 515                         | 715                                      | 135 <sup>2</sup>    | 0              |               |
|                   | Z28       | 600                          | 1000                                      | 450                         | 650                                      | 540                         | 740                                      | 159 <sup>2</sup>    | 0              |               |
|                   | Z28W      | 600                          | 1000                                      | 510                         | 710                                      | 615                         | 815                                      | 181 <sup>2</sup>    | 0              |               |
|                   | Z35       | 800                          | 1200                                      | 510                         | 710                                      | 615                         | 815                                      | 214 <sup>2</sup>    | 0              |               |
|                   | Z35W      | 800                          | 1200                                      | 700                         | 900                                      | 615                         | 815                                      | 257 <sup>2</sup>    | 0              |               |
|                   | Z43       | 1000                         | 1400                                      | 510                         | 710                                      | 615                         | 815                                      | 245 <sup>2</sup>    | 0              |               |
|                   | Z43W      | 1000                         | 1400                                      | 700                         | 900                                      | 615                         | 815                                      | 293 <sup>2</sup>    | 0              |               |
|                   | Z51       | 1200                         | 1600                                      | 510                         | 710                                      | 615                         | 815                                      | 278 <sup>2</sup>    | 0              |               |
|                   | Z51W      | 1200                         | 1600                                      | 700                         | 950                                      | 615                         | 815                                      | 331 <sup>2</sup>    | 0              |               |
|                   | Z59       | 1400                         | 1600                                      | 420                         | 520                                      | 420                         | 620                                      | 242 <sup>2</sup>    | 0              |               |
|                   | Z59W      | 1400                         | 1600                                      | 460                         | 610                                      | 420                         | 520                                      | 263 <sup>2</sup>    | 0              |               |
| Euro Cash Grade 1 | A14       | 455                          | 555                                       | 455                         | 555                                      | 465                         | 565                                      | 122 <sup>2</sup>    | I              | 954b/06       |
|                   | A14S      | 455                          | 555                                       | 405                         | 505                                      | 370                         | 470                                      | 100 <sup>2</sup>    | I              |               |
|                   | A19       | 585                          | 685                                       | 405                         | 505                                      | 465                         | 565                                      | 136 <sup>2</sup>    | I              |               |
|                   | A19D      | 485                          | 785                                       | 420                         | 620                                      | 515                         | 715                                      | 201 <sup>2</sup>    | I              |               |
|                   | A23       | 485                          | 885                                       | 420                         | 620                                      | 515                         | 715                                      | 211 <sup>2</sup>    | I              |               |
|                   | A28       | 600                          | 1000                                      | 450                         | 650                                      | 540                         | 740                                      | 252 <sup>2</sup>    | I              |               |
|                   | A28W      | 600                          | 1000                                      | 510                         | 710                                      | 615                         | 815                                      | 288 <sup>2</sup>    | I              |               |
|                   | A35       | 800                          | 1200                                      | 510                         | 710                                      | 615                         | 815                                      | 342 <sup>2</sup>    | I              |               |
|                   | A35W      | 800                          | 1200                                      | 700                         | 900                                      | 615                         | 815                                      | 414 <sup>2</sup>    | I              |               |
|                   | A43       | 1000                         | 1400                                      | 510                         | 710                                      | 615                         | 815                                      | 395 <sup>2</sup>    | I              |               |
|                   | A43W      | 1000                         | 1400                                      | 700                         | 900                                      | 615                         | 815                                      | 476 <sup>2</sup>    | I              |               |
|                   | A51       | 1200                         | 1600                                      | 510                         | 710                                      | 615                         | 815                                      | 449 <sup>2</sup>    | I              |               |
|                   | A51W      | 1200                         | 1600                                      | 700                         | 950                                      | 615                         | 815                                      | 539 <sup>2</sup>    | I              |               |
|                   | A59       | 1400                         | 1600                                      | 420                         | 520                                      | 420                         | 620                                      | 384 <sup>2</sup>    | I              |               |
|                   | A59W      | 1400                         | 1600                                      | 460                         | 610                                      | 420                         | 520                                      | 424 <sup>2</sup>    | I              |               |
| Euro Cash Grade 2 | D14       | 485                          | -   | 485                         | -  | 498                         | -  | 173                 | II             | 954b/07       |

**PART 4: SECTION 2.1**

SAFES

| Product Name      | Size Ref: | Minimum External Height (mm) | Maximum External Height (mm) <sup>1</sup> | Minimum External Width (mm) | Maximum External Width (mm) <sup>1</sup> | Minimum External Depth (mm) | Maximum External Depth (mm) <sup>1</sup> | Nominal Weight (kg) | Security Grade | LPCB Ref. No. |
|-------------------|-----------|------------------------------|---|-----------------------------|--|-----------------------------|--|---------------------|----------------|---------------|
|                   | D19       | 615                          | -   | 435                         | -  | 498                         | -  | 185                 | II             |               |
|                   | D23       | 715                          | -   | 550                         | -  | 648                         | -  | 285                 | II             |               |
|                   | D28       | 830                          | -   | 580                         | -  | 673                         | -  | 337                 | II             |               |
|                   | D35       | 1030                         | -   | 640                         | -  | 748                         | -  | 453                 | II             |               |
|                   | D43       | 1230                         | -   | 640                         | -  | 748                         | -  | 530                 | II             |               |
|                   | D51       | 1430                         | -   | 640                         | -  | 748                         | -  | 600                 | II             |               |
|                   | D63       | 1730                         | -   | 800                         | -  | 693                         | -  | 768                 | II             |               |
|                   | D70       | 1900                         | -   | 860                         | -  | 748                         | -  | 903                 | II             |               |
| Euro Cash Grade 3 | T14       | 485                          | -   | 485                         | -  | 498                         | -  | 173                 | III            | 954b/01       |
|                   | T19       | 615                          | -   | 435                         | -  | 498                         | -  | 185                 | III            |               |
|                   | T23       | 715                          | -   | 550                         | -  | 648                         | -  | 285                 | III            |               |
|                   | T28       | 830                          | -   | 580                         | -  | 673                         | -  | 337                 | III            |               |
|                   | T35       | 1030                         | -   | 640                         | -  | 748                         | -  | 453                 | III            |               |
|                   | T43       | 1230                         | -   | 640                         | -  | 748                         | -  | 530                 | III            |               |
|                   | T51       | 1430                         | -   | 640                         | -  | 748                         | -  | 600                 | III            |               |
|                   | T63       | 1730                         | -   | 800                         | -  | 693                         | -  | 768                 | III            |               |
|                   | T70       | 1900                         | -   | 860                         | -  | 748                         | -  | 903                 | III            |               |
| Euro Cash Grade 4 | F23       | 715                          | -   | 550                         | -  | 648                         | -  | 397                 | IV             | 954b/02       |
|                   | F28       | 830                          | -   | 580                         | -  | 673                         | -  | 462                 | IV             |               |
|                   | F35       | 1030                         | -   | 640                         | -  | 748                         | -  | 618                 | IV             |               |
|                   | F43       | 1230                         | -   | 640                         | -  | 748                         | -  | 727                 | IV             |               |
|                   | F51       | 1430                         | -   | 640                         | -  | 748                         | -  | 892                 | IV             |               |
|                   | F63       | 1730                         | -   | 800                         | -  | 693                         | -  | 1092                | IV             |               |
|                   | F70       | 1900                         | -   | 860                         | -  | 748                         | -  | 1307                | IV             |               |
| Euro Cash Grade 5 | P23       | 715                          | -   | 550                         | -  | 648                         | -  | 397                 | V              | 954b/03       |
|                   | P28       | 830                          | -   | 580                         | -  | 673                         | -  | 462                 | V              |               |
|                   | P35       | 1030                         | -   | 640                         | -  | 748                         | -  | 618                 | V              |               |
|                   | P43       | 1230                         | -   | 640                         | -  | 748                         | -  | 727                 | V              |               |
|                   | P51       | 1430                         | -   | 640                         | -  | 748                         | -  | 892                 | V              |               |
|                   | P63       | 1730                         | -   | 800                         | -  | 693                         | -  | 1092                | V              |               |
|                   | P70       | 1900                         | -   | 860                         | -  | 748                         | -  | 1307                | V              |               |
| Euro Cash Grade 6 | H21       | 735                          | -   | 570                         | -  | 665                         | -  | 567                 | VI             | 954b/04       |
|                   | H26       | 850                          | -   | 600                         | -  | 690                         | -  | 667                 | VI             |               |
|                   | H24       | 790                          | -   | 690                         | -  | 730                         | -  | 720                 | VI             |               |
|                   | H35       | 1090                         | -   | 690                         | -  | 730                         | -  | 924                 | VI             |               |
|                   | H47       | 1390                         | -   | 690                         | -  | 830                         | -  | 1219                | VI             |               |
|                   | H55       | 1590                         | -   | 690                         | -  | 830                         | -  | 1359                | VI             |               |
|                   | H67       | 1890                         | -   | 940                         | -  | 830                         | -  | 1898                | VI             |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Certificate No: 954c to LPS 1183: Issue 4**

**Free-standing Safe**

| Product Name      | Size Ref. | Minimum External Height (mm) | Maximum External Height (mm) | Minimum External Width (mm) | Maximum External Width (mm) | Minimum External Depth (mm) | Maximum External Depth (mm) | Security Grade | LPCB Ref. No. |
|-------------------|-----------|------------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------|---------------|
| Euro Cash Grade 5 | P62       | 1703                         | 1706                         | 688                         | 691                         | 748                         | 751                         | V              | 954c/01       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 2.1**

SAFES

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E-mail: sales@insafe.co.uk • Website: www.insafe.co.uk

Certificate No: 1106a to BS EN 1143-1:2012

#### **Free-standing Safes**

| Product Name | Size Reference | External Height (mm) | External Width (mm) | External Depth (mm) | Security Grade | LPCB Ref. No. |
|--------------|----------------|----------------------|---------------------|---------------------|----------------|---------------|
| GBG0         | 0              | 455                  | 405                 | 370                 | 0              | 1106a/01      |
|              | 1              | 455                  | 455                 | 457                 | 0              |               |
|              | 2              | 585                  | 405                 | 457                 | 0              |               |
|              | 3              | 685                  | 520                 | 607                 | 0              |               |
|              | 4              | 800                  | 550                 | 632                 | 0              |               |
| GBG1         | 5              | 1000                 | 610                 | 707                 | 0              | 1106a/02      |
|              | 0              | 455                  | 405                 | 370                 | I              |               |
|              | 1              | 455                  | 455                 | 457                 | I              |               |
|              | 2              | 585                  | 405                 | 457                 | I              |               |
|              | 3              | 685                  | 520                 | 607                 | I              |               |
| GBG2         | 4              | 800                  | 550                 | 632                 | I              | 1106a/03      |
|              | 5              | 1000                 | 610                 | 707                 | I              |               |
|              | 1              | 485                  | 485                 | 498                 | II             |               |
|              | 2              | 615                  | 435                 | 498                 | II             |               |
|              | 3              | 811                  | 537                 | 651                 | II             |               |
|              | 4              | 830                  | 580                 | 673                 | II             |               |
|              | 5              | 1030                 | 640                 | 748                 | II             |               |
| 6            | 1213           | 629                  | 495                 | II                  |                |               |
| 7            | 1569           | 629                  | 495                 | II                  |                |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### **Lion Steelworks SDN. BHD.**

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Certificate No: 639a to LPS 1183: Issue 4

#### **Free-standing Safes**

| Product Name | Size Reference | Security Grade | LPCB Ref. No. |
|--------------|----------------|----------------|---------------|
| N-Series     | N1, N2 and N3  | III            | 639a/01       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 115a to LPS 1183: Issue 3

**Free-standing Safes**

| Product Name              | Size References <sup>1,2</sup> | Security Grade | Fire Resistance to BS 476: Part 20: 1987 | LPCB Ref. No. |    |   |         |
|---------------------------|--------------------------------|----------------|--|---------------|----|---|---------|
| Community                 | 1414 (39) ED (58)              | I              | 60                                       | 115a/01       |    |   |         |
|                           | 1814 (50) ED (74)              |                |  |               |    |   |         |
|                           | 2316 (103) ED (138)            |                |  |               |    |   |         |
|                           | 2916 (130) ED (174)            |                |  |               |    |   |         |
|                           | 3520 (230) ED (297)            |                |  |               |    |   |         |
|                           | 5020 (328) ED (424)            |                |  |               |    |   |         |
|                           | 6020 (393) ED (509)            |                |  |               |    |   |         |
|                           | Mini-Vault (702) ED (910)      |                |  |               |    |   |         |
|                           | 1814 (50) ED (74)              |                |  |               |    |   |         |
|                           | 2316 (103) ED (138)            |                |  |               |    |   |         |
| Mini-Vault (702) ED (910) | 2916 (130) ED (174)            | II             | 60                                       | 115a/02       |    |   |         |
|                           | 3520 (230) ED (297)            |                |  |               |    |   |         |
|                           | 5020 (328) ED (424)            |                |  |               |    |   |         |
|                           | 6020 (393) ED (509)            |                |  |               |    |   |         |
|                           | Mini-vault (702) ED (910)      |                |  |               |    |   |         |
|                           | 1814 (50) ED (74)              |                |  |               |    |   |         |
|                           | 2316 (103) ED (138)            |                |  |               |    |   |         |
|                           | 2916 (130) ED (174)            |                |  |               |    |   |         |
|                           | 3520 (230) ED (297)            |                |  |               |    |   |         |
|                           | 5020 (328) ED (424)            |                |  |               |    |   |         |
| Mini-vault (702) ED (910) | 60 50 40 (120) ED (165)        | III            | 60                                       | 115a/03       |    |   |         |
|                           | 90 50 40 (180) ED (247)        |                |  |               |    |   |         |
|                           | 90 40 47.5 (171)               |                |  |               |    |   |         |
|                           | 92 42 48.5 (187.4)             |                |  |               |    |   |         |
|                           | 120 50 40 (240) ED (330)       |                |  |               |    |   |         |
|                           | 120 40 47.5 (228)              |                |  |               |    |   |         |
|                           | 122 42 48.5 (248.5)            |                |  |               |    |   |         |
|                           | 150 50 40 (300) ED (412)       |                |  |               |    |   |         |
|                           | 60 50 40 (120) ED (165)        |                |  |               | IV | - | 115a/04 |
|                           | 90 50 40 (180) ED (247)        |                |  |               |    |   |         |
| 90 40 47.5 (171)          |                                |                |  |               |    |   |         |
| 92 42 48.5 (187.4)        |                                |                |  |               |    |   |         |
| 120 50 40 (240) ED (330)  |                                |                |  |               |    |   |         |
| 120 40 47.5 (228)         |                                |                |  |               |    |   |         |
| 122 42 48.5 (248.5)       |                                |                |  |               |    |   |         |
| 150 50 40 (300) ED (412)  |                                |                |  |               |    |   |         |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 115b to LPS 1183: Issue 4

**Free-standing Safes**

| Product Name | Size References <sup>1,2</sup> | Security Grade | Fire Resistance to BS 476:Part 20: 1987 | LPCB Ref. No. |
|--------------|--------------------------------|----------------|---|---------------|
| Community    | 1414 (39) ED (58)              | 0              | 60                                      | 115b/10       |
|              | 1814 (50) ED (74)              |                |   |               |
|              | 2316 (103) ED (138)            |                |   |               |
|              | 2916 (130) ED (174)            |                |   |               |
|              | 3520 (230) ED (297)            |                |   |               |
|              | 5020 (328) ED (424)            |                |   |               |
|              | 60 50 40 (120) ED (165)        |                |   |               |
|              | 90 50 40 (180) ED (247)        |                |   |               |
|              | 120 50 40 (240) ED (330)       |                |   |               |
|              | 150 50 40 (300) ED (412)       |                |   |               |
| Community    | 60 50 40 (120) ED (165)        | V              | -                                       | 115b/05       |
|              | 90 50 40 (180) ED (247)        |                |   |               |
|              | 120 50 40 (240) ED (330)       |                |   |               |
|              | 150 50 40 (300) ED (412)       |                |   |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 2.2**

### **SECURE SAFE CABINETS**

The secure safe cabinets listed in this section are approved by LPCB to EN 14450 *Secure storage units - Requirements, classification and methods of test for resistance to burglary - Secure safe cabinets.*

#### **Dudley Safes Limited**

Unit 17 Deepdale Works, Deepdale Lane, Upper Gornal, Dudley, West Midlands DY3 2AF, United Kingdom  
Tel: +44 (0)1384 239991 • Fax: +44 (0)1384 455129  
Website: [www.dudleysafes.com](http://www.dudleysafes.com)

Certificate No: 304b to BS EN 14450: 2005

#### **Secure Safe Cabinets**

| Product Name           | Size Reference                        | Security Level | LPCB Ref. No. |
|------------------------|---------------------------------------|----------------|---------------|
| Harlech Lite (Level 1) | Home Safe, 00, 0, 1, 2, 3, 4, 5 and 6 | S1             | 304b/01       |
| Harlech Lite (Level 2) | Home Safe, 00, 0, 1, 2, 3, 4, 5 and 6 | S2             | 304b/02       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### **Godrej & Boyce Mfg. Co. Ltd**

Godrej Security Solutions, Plant 17, Pirojshanagar, Vikhroli (East), Mumbai 400079, India  
Tel: +91 22 679 64797 • Fax: +91 22 679 61509

E-mail: [securityexports@godrej.com](mailto:securityexports@godrej.com) or [secure@godrej.com](mailto:secure@godrej.com) • Website: [www.godrejsecure.com](http://www.godrejsecure.com)

Certificate No: 954a to BS EN 14450: 2005

#### **Secure Safe Cabinets**

| Product Name | Model  | External Width (mm) | External Height (mm) | External Depth (mm) | Weight (kg) | Security Level | LPCB Ref. No. |
|--------------|--------|---------------------|----------------------|---------------------|-------------|----------------|---------------|
| Euro-Lite    | FS10   | 325                 | 275                  | 325                 | 26          | S2             | 954a/01       |
|              | FS10-D | 325                 | 275                  | 425                 | 29          | S2             |               |
|              | FS40   | 450                 | 330                  | 380                 | 40          | S2             |               |
|              | FS40-D | 450                 | 330                  | 500                 | 44          | S2             |               |
|              | FS45   | 490                 | 470                  | 410                 | 56          | S2             |               |
|              | FS45-D | 490                 | 470                  | 510                 | 61          | S2             |               |
|              | FS50   | 360                 | 430                  | 400                 | 41          | S2             |               |
|              | FS50-D | 360                 | 430                  | 500                 | 45          | S2             |               |
|              | FS65   | 490                 | 660                  | 410                 | 73          | S2             |               |
|              | FS65-D | 490                 | 660                  | 510                 | 80          | S2             |               |
|              | FS85   | 490                 | 860                  | 410                 | 91          | S2             |               |
|              | FS85-D | 490                 | 860                  | 510                 | 99          | S2             |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### **SMP Security Solutions Limited**

Halesfield 24, Telford, Shropshire TF7 4NZ, United Kingdom

Tel: +44 (0)1952 585673 • Fax: +44 (0)1952 582816

E-mail: [sales@smpsecurity.co.uk](mailto:sales@smpsecurity.co.uk) • Website: [www.smpsecurity.co.uk](http://www.smpsecurity.co.uk)

Certificate No: 115c to BS EN 14450: 2005

#### **Secure Safe Cabinet**

| Product Name | Model | External Width (mm) | External Height (mm) | External Depth (mm) | Approx. Weight (kg) | Security Level | LPCB Ref. No. |
|--------------|-------|---------------------|----------------------|---------------------|---------------------|----------------|---------------|
| Concept 3    | 1     | 434                 | 382                  | 394                 | 50                  | S2             | 115c/02       |

## **PART 4: SECTION 2.2**

### **SECURE SAFE CABINETS**

| <b>Product Name</b> | <b>Model</b> | <b>External Width (mm)</b> | <b>External Height (mm)</b> | <b>External Depth (mm)</b> | <b>Approx. Weight (kg)</b> | <b>Security Level</b> | <b>LPCB Ref. No.</b> |
|---------------------|--------------|----------------------------|-----------------------------|----------------------------|----------------------------|-----------------------|----------------------|
|                     | 2            | 534                        | 430                         | 394                        | 62                         | S2                    |                      |
|                     | 3            | 489                        | 489                         | 494                        | 74                         | S2                    |                      |
|                     | 4            | 664                        | 489                         | 494                        | 92                         | S2                    |                      |
|                     | 5            | 814                        | 489                         | 494                        | 110                        | S2                    |                      |
|                     | 6            | 1008                       | 608                         | 694                        | 171                        | S2                    |                      |
|                     | 7            | 1370                       | 608                         | 694                        | 221                        | S2                    |                      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 2.3**

### DEPOSIT SAFES

Safes that incorporate a deposit facility are covered by EN 1143-2 *Secure Storage Units - Requirements, classification and methods of test for resistance to burglary - Part 2: Deposit systems*. This describes tests over and above those specified in EN 1143-1 *Secure Storage Units - Requirements, classification and methods of test for resistance to burglary - Part 1: Safes, ATM safes, strongroom doors and strongrooms*, and includes 'forcing', 'fishing', 'trapping' and 'deposit retrieval'.

Deposit safes take a number of forms and these affect the classification attributed to them.

Deposit safes are normally located within a building and are primarily designed to enable employees to deposit money or other items without having to open the main door of the safe. Deposit safes receive a classification of "D-#" where # is the grade of resistance achieved during testing.

Deposit safes range from standard deposit safes with manual operation through to the distributed deposit systems employed by supermarkets.

Night safes, on the other hand, are often accessible from the street and are primarily used by financial institutions for providing a secure depositing system for their customers. Night safes receive a classification of "N-#" where # is the grade of resistance achieved during testing.



Strongrooms listed in this section are approved by LPCB to one or more of the following standards:

- EN 1143-1 *Secure storage units - Requirements, classification and methods of test for resistance to burglary - Part 1: Safes, ATM safes, strongroom doors and strongrooms.*
- LPS 1183 *Requirements and testing procedures for the LPCB approval and listing of safe storage units - Part 1: Safes and strongrooms.*

Copies of LPS 1183 can be downloaded free of charge from our website [www.redbooklive.com](http://www.redbooklive.com).

Strongrooms take two forms:

- Cast in-situ. The strongroom structure is cast on site where there is insufficient access to manoeuvre prefabricated panels into place.
- Pre-fabricated. The strongroom is formed on site from pre-fabricated panels, designed to bolt together securely to form the desired configuration.

Strongrooms are not only designed to secure larger volumes of cash and jewellery but are increasingly used to store items such as artwork and antiquities, pharmaceuticals, military equipment and highly sensitive documentation. Strongrooms are also increasingly being used to protect large scale IT server hubs due to the high value of the server equipment and business continuity risks associated with the potential loss of such equipment or data.

It is important to ensure that all exposed fixings, jointing plates, the substrate into which the device is fitted and the locking mechanisms are regularly checked to ensure that they are in good condition and that they have not been tampered with.

It is also important to ensure only those design options listed, such as special cable access or ventilation panels, are incorporated within the strongroom construction as the use of alternative options may undermine the level of security provided by the strongroom.

### **Explosion (EX) Designation**

This optional designation is only applicable to strongrooms achieving grades II and above.

This optional designation indicates a product offers resistance to detonation of a PETN (Pentaerythritol tetranitrate) explosive charge followed by post detonation tool attacks aimed at achieving entry to the strongroom. Where the use of explosive charges is perceived to be a threat it is recommended products with this designation are selected.

### **Core Drill (CD) Designation**

This optional designation is only applicable to strongrooms and strongroom doors achieving grades VIII and above to EN 1143-1. This designation reflects the ability of a product to pass the diamond drill test specified within EN 1143-1 which is designed to demonstrate the product's superior resistance to methods of forced entry that solely involve the use of diamond core drills.

## **PART 4: SECTION 3**

### **SECURE ENCLOSURES**

Security enclosures that have been assessed to LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers* are listed in this section.

Each security rating is appropriate to the level of risk to forced entry or removal, and covers everything from the secure storage of tools in the domestic environment, to protection of remote equipment on railway and telecommunications infrastructures. Some examples of applications include: secure site tool and plant storage units, portable office buildings and shipping containers.

The use of appropriately rated and installed physical security enclosures will protect the contents of the enclosure from the unwanted attentions of the opportunist or professional intruder.

LPS 1175 is based on manual attack testing. It currently defines eight levels of resistance (security ratings) to forced entry into the enclosure and removal of the enclosure from the supporting substrate. The security ratings are determined in terms of attack tools and time available to the intruder. They enable specifiers to select products according to the levels of threat faced.

Unless otherwise stated, an enclosure's resistance to forced entry is rated according to its ability to resist the creation of an aperture through which it is possible to pass a 400 mm by 225 mm elliptical test block. This is considered to be a size through which most intruders could pass. In some cases alternative failure criteria are used as the basis for the security rating attributed to the enclosure. Where used, the alternative failure criterion is designed to suit the enclosure's intended application, and is noted in the relevant product entry.

Further information about the security rating system can be found in LPS 1175, copies of which can be downloaded for free from [www.redbooklive.com](http://www.redbooklive.com).

It is important to ensure that enclosures are installed in accordance with the manufacturer's instructions. All exposed fixings, the substrate onto which the enclosure is fitted, and the locking mechanisms should also be regularly checked to ensure that they are in good condition and that they have not been tampered with.

It is recommended that cash and jewellery should preferably be stored in safe storage units or strongrooms approved by LPCB. These are listed in Section 2. Those looking to prevent unauthorised removal of computer equipment should consider using physical protection devices listed in Section 12.

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### **Asgard Secure Steel Storage (a trading division of Flexiform Business Furniture Limited)**

1392 Leeds Road, Bradford BD3 7AE, United Kingdom  
Tel: +44 (0)1274 706206 • Fax: +44 (0)1274 706247

Certificate No: 596a to LPS 1175: Issue 5

#### **Security Enclosures**

| Product Name               | Nominal Enclosure Height (m) | Nominal Enclosure Width (m) | Nominal Enclosure Depth (m) | Security Rating | LPCB Ref. No. |
|----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------|---------------|
| Asgard Classic Secure Unit | 1.9                          | 1.9                         | 0.8                         | 1               | 596a/01       |
| Asgard Compact Secure Unit | 1.9                          | 1.1                         | 0.8                         | 1               | 596a/02       |
| Asgard Universal           | 0.7                          | 0.6                         | 0.5                         | 1               | 596a/03       |
| Asgard Annexe              | 1.5                          | 1.8                         | 0.9                         | 1               | 596a/04       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 596b to LPS 1175: Issue 7

**Security Enclosures**

| Product Name            | Type   | Height <sup>1</sup><br>(m) | Width<br>(m) | Depth<br>(m) | Compatible Active<br>Leaf Locking<br>Systems <sup>2</sup> | Security<br>Rating | LPCB<br>Ref. No. |
|-------------------------|--|----------------------------|--------------|--------------|---|--------------------|------------------|
| Centurion               | Six-sided non-vented enclosure incorporating a double leaf doorset in the front face | 2.032                      | 1.58         | 2.24         | 1   | 1                  | 596b/01          |
| Centurion Plus 1        | Six-sided non-vented enclosure incorporating a double leaf doorset in the front face | 2.032                      | 1.58         | 3.33         | 1   | 1                  | 596b/02          |
| Gladiator               | Six-sided non-vented enclosure incorporating a double leaf doorset in the front face | 2.07                       | 2.2          | 2.184        | 1   | 1                  | 596b/05          |
| Gladiator Plus 1        | Six-sided non-vented enclosure incorporating a double leaf doorset in the front face | 2.07                       | 2.2          | 2.684        | 1   | 1                  | 596b/06          |
| Gladiator Motorcycle    | Six-sided vented enclosure incorporating a double leaf doorset in the front face     | 2.07                       | 2.2          | 3.276        | 1   | 1                  | 596b/07          |
| Motorcycle Plus         | Six-sided vented enclosure incorporating a double leaf doorset in the front face     | 2.07                       | 2.2          | 3.276        | 1   | 1                  | 596b/08          |
| Motorcycle Plus 1       | Six-sided vented enclosure incorporating a double leaf doorset in the front face     | 2.07                       | 2.2          | 4.368        | 1   | 1                  | 596b/09          |
| Motorcycle Storage      | Six-sided vented enclosure incorporating a double leaf doorset in the front face     | 2.032                      | 1.58         | 2.74         | 1   | 1                  | 596b/03          |
| Motorcycle Storage Plus | Six-sided vented enclosure incorporating a double leaf doorset in the front face     | 2.032                      | 1.58         | 3.33         | 1   | 1                  | 596b/04          |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Barkers Engineering Limited**

Duke Street, Fenton, Stoke-on-Trent ST4 3NS, United Kingdom

Tel: +44 (0)1782 319264 • Fax: +44 (0)1782 599724

E-mail: [sales@barkersengineering.com](mailto:sales@barkersengineering.com) • Website: [www.barkersengineering.com](http://www.barkersengineering.com)

Certificate No: 1198b to LPS 1175: Issue 7

**Modular Security Cages**

| Product Name   | Type   | Minimum Height <sup>1</sup><br>(m) | Maximum Height <sup>1</sup><br>(m) | Minimum Width <sup>2</sup><br>(m) | Maximum Width <sup>2</sup><br>(m) | Minimum Depth <sup>2</sup><br>(m) | Maximum Depth <sup>2</sup><br>(m) | Security<br>Rating | LPCB<br>Ref. No. |
|----------------|--|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--------------------|------------------|
| Assetguard CS4 | Cage formed from four sides and a ceiling with integral single or double leaf padlockable doorsets | 1.25                               | 6.15                               | 0.4                               | Unlimited                         | 0.4                               | 6.0                               | 4                  | 1198b/01         |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## PART 4: SECTION 3

### SECURE ENCLOSURES

#### Bastion Security Products Limited

5a New York Way, New York Industrial Park, Shiremoor, Newcastle-upon-Tyne NE27 0QF, United Kingdom

Tel: +44 (0)191 257 3100 • Fax: +44 (0)191 497 2997

E-mail: [moreinfo@bastionprotects.com](mailto:moreinfo@bastionprotects.com) • Website: [www.bastionprotects.com](http://www.bastionprotects.com)

Certificate No: 1046a to LPS 1175: Issue 7

#### Expandable Security Enclosure

| Product Name      | Type   | Height (m) | Width (m) | Length When Enclosure Is Fully Expanded (m) | Length When Enclosure Is Contracted (m) | Security Rating | LPCB Ref. No. |
|-------------------|--|------------|-----------|---|---|-----------------|---------------|
| Bastion Enclosure | Expanding security enclosure <sup>1</sup> with integral entrance doorset | 2.469      | 1.700     | 2.655                                       | 1.700                                   | 5 <sup>2</sup>  | 1046a/01      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 1046d/01 to LPS 1175: Issue 7

#### Modular Security Enclosure System

| Product Name  | Type   | Minimum Height <sup>1</sup> (m) | Maximum Height <sup>1</sup> (m) | Minimum Width <sup>1</sup> (m) | Maximum Width <sup>1</sup> (m) | Minimum Depth <sup>1</sup> (m) | Maximum Depth <sup>1</sup> (m) | Security Rating | LPCB Ref. No. |
|---------------|--|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------------|---------------|
| Bastion Wall4 | Enclosure formed from four sides and a ceiling | 1.171                           | 3.0                             | 0.66 <sup>2</sup>              | Unlimited                      | 0.66 <sup>2</sup>              | Unlimited                      | 4               | 1046d/01      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### BenweldSecure Limited

Unit 14A, Hartlebury Trading Estate, Hartlebury, Worcestershire DY10 4JB, United Kingdom

Tel: +44 (0)1299 251750 • Fax: +44 (0)1299 253576

E-mail: [sales@benweld.co.uk](mailto:sales@benweld.co.uk) • Website: [www.benweld.co.uk](http://www.benweld.co.uk)

Certificate No: 1165a to LPS 1175: Issue 7

#### Security Cabinet

| Product Name | Type   | Height (m) | Minimum Width (m) | Maximum Width (m) | Minimum Depth (m) | Maximum Depth (m) | Security Rating <sup>1</sup> | LPCB Ref. No. |
|--------------|--|------------|-------------------|-------------------|-------------------|-------------------|------------------------------|---------------|
| Malvern      | Security cabinet incorporating a single leaf doorset in the front face | 1.25       | 0.6               | 1.2               | 0.4               | 1.2               | 4                            | 1165a/01      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Bradbury Security**

Dunlop Way, Queensway Industrial Estate, Scunthorpe DN16 3RN, United Kingdom  
Tel: +44 (0)1724 271999 • Fax: +44 (0)1724 271888  
E-mail: sales@bradburyuk.com • Website: www.bradburyuk.com

Certificate No: 312h to LPS 1175: Issue 7

**Modular Security Cages**

| Product Name    | Type  | Minimum Height (m) | Maximum Height (m)    | Minimum Width (m) | Maximum Width (m)          | Minimum Length (m) | Maximum Length (m)         | Security Rating <sup>1</sup> | LPCB Ref. No. |
|-----------------|---|--------------------|-----------------------|-------------------|----------------------------|--------------------|----------------------------|------------------------------|---------------|
| Extendor Vulcan | Modular cage formed from Extendor Vulcan fixed and opening grilles <sup>2</sup> | 0.54 <sup>3</sup>  | 3.97 <sup>4,5,6</sup> | 0.48              | Unlimited <sup>4,6,7</sup> | 1.0                | Unlimited <sup>4,6,7</sup> | 2+                           | 312h/01       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on www.RedBookLive.com

Certificate No: 312j to LPS 1175: Issue 6

**Modular Security Cages**

| Product Name     | Type   | Minimum Height (m) | Maximum Height (m)  | Minimum Width (m) | Maximum Width (m)        | Minimum Length (m) | Maximum Length (m)       | Security Rating | LPCB Ref. No. |
|------------------|--|--------------------|---------------------|-------------------|--------------------------|--------------------|--------------------------|-----------------|---------------|
| Extendor Eclipse | Modular cage formed from Extendor Eclipse fixed and opening grilles <sup>1</sup> | 0.715              | 3.67 <sup>3,4</sup> | 0.48              | Unlimited <sup>2,5</sup> | 1.0                | Unlimited <sup>2,5</sup> | 3               | 312j/01       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on www.RedBookLive.com

**Burton Safes Limited**

Units 20-28, Brockholes Business Park, Rock Mill Road, Brockholes, Holmfirth HD9 7BN, United Kingdom  
Tel: +44 (0)1484 663388 • Fax: +44 (0)1484 666338  
E-mail: enquiries@burtonsafes.co.uk • Website: www.burtonsafes.co.uk

Certificate No: 1000b to LPS 1175: Issue 6

**Modular Security Enclosures**

| Product Name | Type                                    | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Minimum Depth (m) | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|--------------|---|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-----------------|---------------|
| Talos        | Enclosure with horizontally laid panels | 2.5                | Unlimited          | 2.5               | Unlimited         | 2.5               | Unlimited         | 2               | 1000b/01      |
|              | Enclosure with vertically laid panels   | 2.5                | 5.5                | 0.25              | Unlimited         | 0.25              | Unlimited         | 2               |               |

## PART 4: SECTION 3

### SECURE ENCLOSURES

| Product Name | Type                                    | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Minimum Depth (m) | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|--------------|---|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-----------------|---------------|
| Talos SE     | Enclosure with horizontally laid panels | 2.5                | Unlimited          | 2.5               | Unlimited         | 2.5               | Unlimited         | 3               | 1000b/02      |
|              | Enclosure with vertically laid panels   | 2.5                | 5.5                | 0.25              | Unlimited         | 0.25              | Unlimited         | 3               |               |
|              | Enclosure with horizontally laid panels | 2.5                | Unlimited          | 2.5               | Unlimited         | 2.5               | Unlimited         | 4               | 1000b/03      |
|              | Enclosure with vertically laid panels   | 2.5                | 5.5                | 0.25              | Unlimited         | 0.25              | Unlimited         | 4               |               |
|              | Enclosure with vertically laid panels   | 2.2                | 2.5                | 1.112             | 1.402             | 1.142             | 1.432             | 2               | 1000b/04      |
|              | Enclosure with vertically laid panels   | 2.2                | 2.5                | 1.112             | 1.402             | 1.142             | 1.432             | 3               | 1000b/05      |
|              | Enclosure with vertically laid panels   | 2.2                | 2.5                | 1.112             | 1.402             | 1.142             | 1.432             | 4               | 1000b/06      |
|              |   |                    |                    |                   |                   |                   |                   |                 |               |
|              |   |                    |                    |                   |                   |                   |                   |                 |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 1000e to LPS 1175: Issue 7

#### Modular Security Cages

| Product Name | Type   | Minimum Height (m) | Maximum Height (m)    | Minimum Width (m) | Maximum Width (m)          | Minimum Length (m) | Maximum Length (m)         | Security Rating <sup>1</sup> | LPCB Ref. No. |
|--------------|--|--------------------|-----------------------|-------------------|----------------------------|--------------------|----------------------------|------------------------------|---------------|
| Ajax SR2     | Modular cage formed from Ajax SR2 fixed and opening grilles <sup>2</sup> | 0.54 <sup>3</sup>  | 3.97 <sup>4,5,6</sup> | 0.48              | Unlimited <sup>4,6,7</sup> | 1.0                | Unlimited <sup>4,6,7</sup> | 2+                           | 1000e/01      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 1000g to LPS 1175: Issue 6

#### Modular Security Cages

| Product Name | Type   | Minimum Height (m) | Maximum Height (m)  | Minimum Width (m) | Maximum Width (m)        | Minimum Length (m) | Maximum Length (m)       | Security Rating | LPCB Ref. No. |
|--------------|--|--------------------|---------------------|-------------------|--------------------------|--------------------|--------------------------|-----------------|---------------|
| Ajax SR3     | Modular cage formed from Ajax SR3 fixed and opening grilles <sup>1</sup> | 0.715              | 3.67 <sup>3,4</sup> | 0.48              | Unlimited <sup>2,5</sup> | 1.0                | Unlimited <sup>2,5</sup> | 3               | 1000g/01      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Isoclad Limited**

10 Alder Road, West Chirton North Industrial Estate, North Shields, Tyne & Wear NE29 8SD, United Kingdom

Tel: +44 (0)191 258 5052 • Fax: +44 (0)191 259 5742

E-mail: [sales@isoclad.co.uk](mailto:sales@isoclad.co.uk) • Website: [www.isoclad.co.uk](http://www.isoclad.co.uk)

Certificate No: 142c to LPS 1175: Issue 6

**Modular Security Enclosures**

| Product Name  | Product Type                            | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Minimum Depth (m) | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|---------------|---|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-----------------|---------------|
| Securiclad    | Enclosure with horizontally laid panels | 2.5                | Unlimited          | 2.5               | Unlimited         | 2.5               | Unlimited         | 2               | 142c/03       |
|               | Enclosure with vertically laid panels   | 2.5                | 5.5                | 0.25              | Unlimited         | 0.25              | Unlimited         | 2               |               |
|               | Enclosure with horizontally laid panels | 2.5                | Unlimited          | 2.5               | Unlimited         | 2.5               | Unlimited         | 3               | 142c/01       |
|               | Enclosure with vertically laid panels   | 2.5                | 5.5                | 0.25              | Unlimited         | 0.25              | Unlimited         | 3               |               |
|               | Enclosure with horizontally laid panels | 2.5                | Unlimited          | 2.5               | Unlimited         | 2.5               | Unlimited         | 4               | 142c/02       |
|               | Enclosure with vertically laid panels   | 2.5                | 5.5                | 0.25              | Unlimited         | 0.25              | Unlimited         | 4               |               |
| Securiclad SE | Enclosure with vertically laid panels   | 2.2                | 2.5                | 1.112             | 1.402             | 1.142             | 1.432             | 2               | 142c/04       |
|               | Enclosure with vertically laid panels   | 2.2                | 2.5                | 1.112             | 1.402             | 1.142             | 1.432             | 3               | 142c/05       |
|               | Enclosure with vertically laid panels   | 2.2                | 2.5                | 1.112             | 1.402             | 1.142             | 1.432             | 4               | 142c/06       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Kingsley Plastics Limited**

Western Barn Industrial Park, Hatherleigh Road, Winkleigh, Devon EX19 8AP, United Kingdom

Tel: +44 (0)1837 83154 • Fax: +44 (0)1837 83529

E-mail: [sales@kingsleyplastics.co.uk](mailto:sales@kingsleyplastics.co.uk) • Website: [www.kingsleyplastics.co.uk](http://www.kingsleyplastics.co.uk)

Certificate No: 1115b to LPS 1175: Issue 7

# PART 4: SECTION 3

## SECURE ENCLOSURES

### Security Enclosures

| Product Name   | Product Type                        | Nominal Minimum Height <sup>1</sup> (m) | Nominal Maximum Height <sup>1</sup> (m) | Nominal Minimum External Width <sup>2</sup> (m) | Nominal Maximum External Width (m) | Nominal Minimum External Length <sup>2</sup> (m) | Nominal Maximum External Length (m) | Security Rating | LPCB Ref. No. |
|----------------|-------------------------------------|---|---|---|------------------------------------|--|-------------------------------------|-----------------|---------------|
| Heavy Duty SR2 | GRP security enclosure <sup>3</sup> | 1.0                                     | 5.0                                     | 0.5   | 15.0                               | 0.5  | 35.0                                | 2               | 1115b/01      |
| Heavy Duty SR3 | GRP security enclosure <sup>3</sup> | 1.0                                     | 5.0                                     | 0.5   | 15.0                               | 0.5  | 35.0                                | 3               | 1115b/02      |
| Heavy Duty SR4 | GRP security enclosure <sup>3</sup> | 1.6                                     | 5.0                                     | 0.5   | 15.0                               | 1.25   | 35.0                                | 4               | 1115b/03      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Liddle Doors Limited

Wagonway Road Industrial Estate, Hebburn, Tyne and Wear NE31 1SP, United Kingdom

Tel: +44 (0)191 483 5449 • Fax: +44 (0)191 489 0698

E-mail: [liddle@liddledoors.co.uk](mailto:liddle@liddledoors.co.uk) • Website: [www.liddledoors.co.uk](http://www.liddledoors.co.uk)

Certificate No: 442e to LPS 1175: Issue 6

### Security Cabinet (Wall Mounted)

| Product Name                 | Model                                | Nominal Cabinet Height (mm) | Nominal Cabinet Width (mm) | Nominal Cabinet Depth (mm) | Security Rating | LPCB Ref. No. |
|------------------------------|--------------------------------------|-----------------------------|----------------------------|----------------------------|-----------------|---------------|
| Liddle Series 3 Security Box | Size 1 wall mounted security cabinet | 400                         | 460                        | 240                        | 3               | 442e/02       |
|                              | Size 2 wall mounted security cabinet | 400                         | 400                        | 150                        | 3               |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 442f to LPS 1175: Issue 7

### Security Cabinet (Wall Mounted)

| Product Name                 | Model                                | Nominal Cabinet Height (mm) | Nominal Cabinet Width (mm) | Nominal Cabinet Depth (mm) | Security Rating | LPCB Ref. No. |
|------------------------------|--------------------------------------|-----------------------------|----------------------------|----------------------------|-----------------|---------------|
| Liddle Series 2 Security Box | Size 1 wall mounted security cabinet | 400                         | 460                        | 240                        | 2               | 442f/01       |
|                              | Size 2 wall mounted security cabinet | 400                         | 400                        | 150                        | 2               |               |
|                              | Size 3 wall mounted security cabinet | 1055                        | 990                        | 350                        | 2               |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 442h to LPS 1175: Issue 7

### Modular Security Enclosures

| Product Name          | Type  | Minimum Height <sup>1</sup> (m) | Maximum Height <sup>1</sup> (m) | Minimum Width <sup>2</sup> (m) | Maximum Width <sup>2</sup> (m) | Minimum Depth <sup>2</sup> (m) | Maximum Depth <sup>2</sup> (m) | Security Rating | LPCB Ref. No. |
|-----------------------|---|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------------|---------------|
| Liddle Series 3 Kiosk | Modular enclosure with integral single or double leaf padlockable doorset | 1.05                            | 4.0                             | 0.6                            | Unlimited                      | 0.6                            | 2.8                            | 3               | 442h/01       |



# PART 4: SECTION 3

## SECURE ENCLOSURES

| Product Name          | Type  | Minimum Height <sup>1</sup> (m) | Maximum Height <sup>1</sup> (m) | Minimum Width <sup>2</sup> (m) | Maximum Width <sup>2</sup> (m) | Minimum Depth <sup>2</sup> (m) | Maximum Depth <sup>2</sup> (m) | Security Rating | LPCB Ref. No. |
|-----------------------|---|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------------|---------------|
| Liddle Series 4 Kiosk | Modular enclosure with integral single or double leaf padlockable doorset | 1.05                            | 4.0                             | 0.6                            | Unlimited                      | 0.6                            | 2.8                            | 4               | 442h/02       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 442i to LPS 1175: Issue 7

### Modular Security Cages

| Product Name         | Type   | Minimum Height <sup>1</sup> (m) | Maximum Height <sup>1</sup> (m) | Minimum Width <sup>2</sup> (m) | Maximum Width <sup>2</sup> (m) | Minimum Depth <sup>2</sup> (m) | Maximum Depth <sup>2</sup> (m) | Security Rating | LPCB Ref. No. |
|----------------------|--|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------------|---------------|
| Liddle Series 3 Cage | Modular cage with integral single or double leaf padlockable doorset | 1.05                            | 4.0                             | 0.6                            | Unlimited                      | 0.6                            | 2.8                            | 3               | 442i/01       |
| Liddle Series 4 Cage | Modular cage with integral single or double leaf padlockable doorset | 1.05                            | 4.0                             | 0.6                            | Unlimited                      | 0.6                            | 2.8                            | 4               | 442i/02       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## MCL Industrial Enclosures Limited

Units 3 & 4 Monarch Works, Elswick Road, Fenton Industrial Estate, Fenton, Stoke-on-Trent ST4 2SH, United Kingdom

Tel: +44 (0)1782 411611 • Fax: +44 (0)1782 411888

E-mail: [sales@mcl-utility.co.uk](mailto:sales@mcl-utility.co.uk) • Website: [www.mcl-grp.co.uk](http://www.mcl-grp.co.uk)

Certificate No: 1121a to LPS 1175: Issue 7

### Security Enclosures

| Product Name  | Product Type                        | Minimum Height (m) <sup>2</sup> | Maximum Height (m) <sup>2</sup> | Minimum Width (m) <sup>3</sup> | Maximum Width (m) | Minimum Depth (m) <sup>3</sup> | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|---|-------------------------------------|---------------------------------|---------------------------------|--------------------------------|-------------------|--------------------------------|-------------------|-----------------|---------------|
| Securbit Security Rating Level 3 (SR3) GRP Kiosk Security Enclosure | GRP security enclosure <sup>1</sup> | 1.125                           | 4                               | 1                              | 25                | 1                              | 10                | 3               | 1121a/01      |
| Securbit Security Rating Level 4 (SR4) GRP Kiosk Security Enclosure | GRP security enclosure <sup>1</sup> | 1.07                            | 5                               | 1                              | 8                 | 1                              | Unlimited         | 4               | 1121a/02      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 3**

### **SECURE ENCLOSURES**

#### **Morgan Marine Limited**

Llandybie, Ammanford, Carmarthenshire SA18 3GY, United Kingdom

Tel: +44 (0)1269 850437 • Fax: +44 (0)1269 850656

E-mail: sales@morgan-marine.com • Website: www.morgan-marine.com

Certificate No: 1051a to LPS 1175: Issue 7

#### **Security Enclosures**

| Product Name     | Product Type           | Nominal Minimum Height <sup>1</sup> (m) | Nominal Maximum Height <sup>1</sup> (m) | Nominal Minimum External Width (m) | Nominal Maximum External Width (m) | Nominal Minimum External Length (m) | Nominal Maximum External Length (m) | Security Rating | LPCB Ref. No. |
|------------------|------------------------|---|---|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-----------------|---------------|
| Morgan Titan SR2 | GRP security enclosure | 1.0                                     | 5.0                                     | 1.0 <sup>2</sup>                   | 14.0                               | 1.0 <sup>2</sup>                    | 30.0                                | 2 <sup>3</sup>  | 1051a/01      |
| Morgan Titan SR3 | GRP security enclosure | 1.0                                     | 5.0                                     | 1.0 <sup>4</sup>                   | 14.0                               | 1.0 <sup>4</sup>                    | 30.0                                | 3 <sup>5</sup>  | 1051a/02      |
| Morgan Titan SR4 | GRP security enclosure | 1.0                                     | 5.0                                     | 1.0 <sup>6</sup>                   | 14.0                               | 1.0 <sup>6</sup>                    | 30.0                                | 4 <sup>7</sup>  | 1051a/03      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### **NPS GRP Limited**

Upper Castle Street, Bradford, West Yorkshire BD5 7RN, United Kingdom

Tel: +44 9)01274 721314 • Fax: +44 (0)1274 733321

E-mail: sales@npsgroup.co.uk • Website: www.npsgroup.co.uk

Certificate No: 1264a to LPS 1175: Issue 7

#### **Security Enclosures**

| Product Name   | Type                              | Minimum Height <sup>1,2</sup> (m) | Maximum Height <sup>1,2</sup> (m) | Minimum Width <sup>2,3</sup> (m) | Maximum Width <sup>2,3</sup> (m) | Minimum Depth <sup>2</sup> (m) | Maximum Depth <sup>2</sup> (m) | Security Rating | LPCB Ref. No. |
|----------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|----------------------------------|--------------------------------|--------------------------------|-----------------|---------------|
| Anti Theft     | Five-sided GRP security enclosure | 0.5                               | 4.5                               | 0.5                              | Unlimited                        | 0.5                            | Unlimited                      | 2               | 1264a/03      |
| Anti Vandal    | Five-sided GRP security enclosure | 0.542                             | Unlimited                         | 0.656                            | Unlimited                        | 0.384                          | Unlimited                      | 3               | 1264a/01      |
| Anti Terrorist | Five-sided GRP security enclosure | 0.542                             | Unlimited                         | 0.656                            | Unlimited                        | 0.384                          | Unlimited                      | 4 <sup>4</sup>  | 1264a/02      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Pro-protect GRP Enclosures Limited**

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E-mail: [info@protectgrp.co.uk](mailto:info@protectgrp.co.uk) • Website: [www.protectgrp.com](http://www.protectgrp.com)

Certificate No: 1328a to LPS 1175: Issue 7

**Modular Security Enclosures**

| Product Name | Product Type  | Minimum Height (m) <sup>1</sup> | Maximum Height (m) <sup>1</sup> | Minimum Width (m) <sup>2</sup> | Maximum Width (m) | Minimum Depth (m) <sup>2</sup> | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------|---------------------------------|--------------------------------|-------------------|--------------------------------|-------------------|-----------------|---------------|
| Defender     | Five-sided GRP security enclosure formed from four walls and a flat roof <sup>3</sup> | 0.8                             | 4                               | 0.4                            | 20                | 0.4                            | 12                | 3 <sup>4</sup>  | 1328a/01      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**PSF Wales Limited**

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E-mail: [sales@psfwales.co.uk](mailto:sales@psfwales.co.uk) • Website: [www.psfwales.co.uk](http://www.psfwales.co.uk)

Certificate No: 953c to LPS 1175: Issue 7

**Security Enclosures**

| Product Name   | Product Type  | Nominal Minimum External Height (m) | Nominal Maximum External Height (m) | Nominal Minimum External Width (m) | Nominal Maximum External Width (m) | Nominal Minimum External Depth (m) | Nominal Maximum External Depth (m) | Security Rating | LPCB Ref. No. |
|----------------|---|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------|---------------|
| Hercules SAF 2 | Security enclosure with integral single or double leaf <sup>1</sup> padlockable doorset | 0.8                                 | 2.8                                 | 0.63                               | 2.8                                | 0.375                              | 2.8                                | 2 <sup>2</sup>  | 953c/01       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 953f to LPS 1175: Issue 7

# PART 4: SECTION 3

## SECURE ENCLOSURES

### Modular Security Enclosures

| Product Name | Type   | Nominal Minimum External Height (m) | Nominal Maximum External Height <sup>1</sup> (m) | Nominal Minimum External Width <sup>2</sup> (m) | Nominal Maximum External Width | Nominal Minimum External Depth <sup>3</sup> | Nominal Maximum External Depth | Security Rating | LPCB Ref. No. |
|--------------|--|-------------------------------------|--|---|--------------------------------|---|--------------------------------|-----------------|---------------|
| Taurus SAF 3 | Modular single skin enclosure with single leaf outward opening doorset | 0.85                                | 2.9  | 0.7   | 5.0                            | 0.4   | 2.8                            | 3               | 953f/01       |
|              | Modular single skin enclosure with double leaf outward opening doorset | 0.85                                | 2.9  | 1.422   | 5.0                            | 0.4   | 2.8                            | 3               |               |
| Taurus SAF 4 | Modular single skin enclosure with single leaf outward opening doorset | 0.85                                | 2.9  | 0.7   | 5.0                            | 0.4   | 2.8                            | 4               | 953f/02       |
|              | Modular single skin enclosure with double leaf outward opening doorset | 0.85                                | 2.9  | 1.422   | 5.0                            | 0.4   | 2.8                            | 4               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 953h to LPS 1175: Issue 7

### Modular Security Cages

| Product Name  | Type   | Minimum Height <sup>1</sup> (m) | Maximum Height <sup>1</sup> (m) | Minimum Width <sup>2</sup> (m) | Maximum Width <sup>2</sup> (m) | Minimum Depth <sup>2</sup> (m) | Maximum Depth <sup>2</sup> (m) | Security Rating | LPCB Ref. No. |
|---------------|--|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------------|---------------|
| Centaur SAF 2 | Cage formed from four sides and a ceiling with integral single or double leaf padlockable doorsets | 0.6                             | 4.0                             | 0.5                            | 40                             | 0.5                            | 20                             | 2               | 953h/01       |
| Centaur SAF 3 | Cage formed from four sides and a ceiling with integral single or double leaf padlockable doorsets | 0.6                             | 4.0                             | 0.5                            | 40                             | 0.5                            | 20                             | 3               | 953h/02       |
| Centaur SAF 4 | Cage formed from four sides and a ceiling with integral single or double leaf padlockable doorsets | 0.6                             | 4.0                             | 0.5                            | 40                             | 0.5                            | 20                             | 4               | 953h/03       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 953j to LPS1175: Issue7

**Modular Security Enclosures**

| Product Name   | Type   | Nominal Minimum External Height (m) <sup>1</sup> | Nominal Maximum External Height (m) <sup>1</sup> | Nominal Minimum External Width (m) | Nominal Maximum External Width (m) | Nominal Minimum External Depth (m) | Nominal Maximum External Depth (m) | Security Rating | LPCB Ref. No. |
|----------------|--|--|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------|---------------|
| Hercules SAF 3 | Modular enclosure with single leaf outward opening doorset | 0.8  | 3.2  | 1.73                               | 25                                 | 1.0                                | 10                                 | 3               | 953j/01       |
|                | Modular enclosure with double leaf outward opening doorset | 0.8  | 3.2  | 2.78                               | 25                                 | 1.0                                | 10                                 | 3               | 953j/02       |
| Hercules SAF 4 | Modular enclosure with single leaf outward opening doorset | 0.8  | 3.2  | 1.73                               | 25                                 | 1.0                                | 10                                 | 4               | 953j/03       |
|                | Modular enclosure with double leaf outward opening doorset | 0.8  | 3.2  | 2.78                               | 25                                 | 1.0                                | 10                                 | 4               | 953j/04       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Quinshield Limited**

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Certificate No: 1449a to LPS 1175: Issue 7

**Security Enclosures**

| Product Name                    | Type  | Minimum Height (m) <sup>1</sup> | Maximum Height (m) <sup>1</sup> | Minimum Width (m) | Maximum Width (m) | Minimum Depth (m) | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|---------------------------------|---|---------------------------------|---------------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|---------------|
| Quinshield 'SR2' Security Kiosk | Five-sided GRP security enclosure formed from four walls and a roof | 1.25                            | 4.0                             | 1.25              | Unlimited         | 0.4               | 14                | 2               | 1449a/01      |
| Quinshield 'SR3' Security Kiosk | Five-sided GRP security enclosure formed from four walls and a roof | 1.25                            | 4.0                             | 1.25              | Unlimited         | 0.4               | 14                | 3               | 1449a/02      |

## **PART 4: SECTION 3**

### **SECURE ENCLOSURES**

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### **R & D Sheetmetal Limited**

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E-mail: [sales@randdsheetmetal.co.uk](mailto:sales@randdsheetmetal.co.uk) • Website: [www.randdsheetmetal.co.uk](http://www.randdsheetmetal.co.uk)

Certificate No: 1034a to LPS 1175: Issue 7

#### **Modular Security Enclosures**

| Product Name     | Product Type                                   | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Minimum Depth (m) | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|------------------|--|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-----------------|---------------|
| Security Evo III | Enclosure formed from four sides and a ceiling | 1.9                | 2.7                | 1.1               | Unlimited         | 0.8               | Unlimited         | 3               | 1034a/04      |
| Security Evo IV  | Enclosure formed from four sides and a ceiling | 1.9                | 2.7                | 1.1               | Unlimited         | 0.8               | Unlimited         | 4               | 1034a/01      |
| Security Evo V   | Enclosure formed from four sides and a ceiling | 1.9                | 2.7                | 1.1               | Unlimited         | 0.8               | Unlimited         | 5               | 1034a/02      |
| Security Evo VI  | Enclosure formed from four sides and a ceiling | 1.9                | 2.7                | 1.1               | Unlimited         | 0.8               | Unlimited         | 6               | 1034a/03      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### **RCS Manufacturing Limited**

Unit 2, Weston Works, Tyseley, Birmingham, West Midlands B11 3RP, United Kingdom

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E-mail: [sales@rcsm.co.uk](mailto:sales@rcsm.co.uk)

#### **For sales enquiries, please contact:**

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Tel: +44 (0)208 786 8787

E-mail: [sales@remtech.com](mailto:sales@remtech.com) • Website: [www.modusec.com](http://www.modusec.com)

Certificate No: 1103a to LPS 1175: Issue 7

#### **Modular Security Enclosures<sup>1</sup>**

| Product Name    | Type  | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Minimum Depth (m) | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|-----------------|---|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-----------------|---------------|
| Modusec Level 1 | Multisided enclosure incorporating a ceiling <sup>2</sup> | 1.8                | 6.0                | 1.8 <sup>3</sup>  | Unlimited         | 0.4 <sup>3</sup>  | Unlimited         | 1               | 1103a/01      |

**PART 4: SECTION 3**

## SECURE ENCLOSURES

| Product Name    | Type  | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Minimum Depth (m)  | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|-----------------|---|--------------------|--------------------|-------------------|-------------------|--------------------|-------------------|-----------------|---------------|
| Modusec Level 2 | Multisided enclosure incorporating a ceiling <sup>2</sup> | 1.8                | 6.0                | 1.8 <sup>3</sup>  | Unlimited         | 0.4 <sup>3</sup>   | Unlimited         | 2               | 1103a/02      |
| Modusec Level 3 | Multisided enclosure incorporating a ceiling <sup>2</sup> | 1.8                | 6.0                | 1.8 <sup>3</sup>  | Unlimited         | 0.4 <sup>3</sup>   | Unlimited         | 3               | 1103a/03      |
| Modusec Level 4 | Multisided enclosure incorporating a ceiling <sup>2</sup> | 1.8                | 6.0                | 1.8 <sup>3</sup>  | Unlimited         | 0.4 <sup>3</sup>   | Unlimited         | 4               | 1103a/04      |
| Modusec Level 5 | Multisided enclosure incorporating a ceiling <sup>2</sup> | 1.8                | 6.0                | 1.8 <sup>3</sup>  | Unlimited         | 0.447 <sup>3</sup> | Unlimited         | 5               | 1103a/05      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Steelway Fensecure Limited**

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E-mail: [sales@steelwaybrickhouse.co.uk](mailto:sales@steelwaybrickhouse.co.uk) • Website: [www.steelway.co.uk](http://www.steelway.co.uk)

Certificate No: 1071b to LPS 1175: Issue 7

**Modular Security Cage**

| Product Name                                | Product Type                              | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) <sup>1</sup> | Maximum Width (m) | Minimum Depth (m) | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|---|---|--------------------|--------------------|--------------------------------|-------------------|-------------------|-------------------|-----------------|---------------|
| Steelway Level 1 Security Mesh Panel System | Cage formed from four sides and a ceiling | 1.1                | 3.91               | 0.5                            | Unlimited         | 0.5               | 4.0               | 1               | 1071b/01      |
| Steelway Level 2 Security Mesh Panel System | Cage formed from four sides and a ceiling | 1.1                | 3.91               | 0.5                            | Unlimited         | 0.5               | 4.0               | 2               | 1071b/02      |
| Steelway Level 3 Security Mesh Panel System | Cage formed from four sides and a ceiling | 1.1                | 3.91               | 0.5                            | Unlimited         | 0.5               | 4.0               | 3               | 1071b/03      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 1071e to LPS 1175: Issue 7

## PART 4: SECTION 3

### SECURE ENCLOSURES

#### Modular Security Enclosures

| Product Name                                 | Product Type                                   | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) <sup>1</sup> | Maximum Width (m) | Minimum Depth (m) | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|--|--|--------------------|--------------------|--------------------------------|-------------------|-------------------|-------------------|-----------------|---------------|
| Steelway Level 4 Security Solid Panel System | Enclosure formed from four sides and a ceiling | 1.1                | 3.91               | 0.5                            | Unlimited         | 0.5               | 4.0               | 4               | 1071e/01      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### Technocover Limited (incorporating TechnoRail and Strataform)

Henfaes Lane, Welshpool, Powys SY21 7BE, United Kingdom

Tel: +44 (0)1938 555511 • Fax: +44 (0)1938 555527

E-mail: [techadvice@technocover.co.uk](mailto:techadvice@technocover.co.uk) • Website: [www.technocover.co.uk](http://www.technocover.co.uk)

Certificate No: 450b to LPS 1175: Issue 5

#### Security Cabinets

| Product Name                         | Nominal Enclosure Height (mm) | Nominal Enclosure Width (mm) | Nominal Enclosure Depth (mm) | Security Rating | LPCB Ref. No. |
|--------------------------------------|-------------------------------|------------------------------|------------------------------|-----------------|---------------|
| Half Location Apparatus Case (LAC/H) | 1850                          | 575                          | 535                          | 3               | 450b/01       |
| Full Location Apparatus Case (LAC/F) | 1850                          | 1010                         | 535                          | 3               | 450b/02       |
| Half Location Apparatus Case (LAC/H) | 1850                          | 575                          | 535                          | 4               | 450b/03       |
| Full Location Apparatus Case (LAC/F) | 1850                          | 1010                         | 535                          | 4               | 450b/04       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 450c to LPS 1175: Issue 5

#### Modular Security Cabinets and Enclosures

| Product Name | Product Type   | Minimum Height (mm) | Maximum Height (mm) | Minimum Width (mm) | Maximum Width (mm) | Minimum Depth (mm) | Maximum Depth (mm) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|-----------------|---------------|
| WMC/DV4      | Walk-In Modular Building System                              | 1500                | 3000                | 1000               | 5000               | 1000               | 10000              | 4               | 450c/01       |
| CB1/DV4      | Small modular secure cabinet system with single leaf doorset | 900                 | 2000                | 650                | 5000               | 450                | 1500               | 4               | 450c/02       |
| CB2/DV4      | Small modular secure cabinet system with double leaf doorset | 900                 | 2000                | 1350               | 5000               | 450                | 1500               | 4               | 450c/03       |
| WMC/DV3      | Walk-in modular building system                              | 1500                | 3000                | 1000               | 4000               | 1000               | 10000              | 3               | 450c/04       |



**PART 4: SECTION 3**

## SECURE ENCLOSURES

| Product Name | Product Type   | Minimum Height (mm) | Maximum Height (mm) | Minimum Width (mm) | Maximum Width (mm) | Minimum Depth (mm) | Maximum Depth (mm) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|-----------------|---------------|
| CB1/DV3      | Small modular secure cabinet system with single leaf doorset | 900                 | 2000                | 650                | 5000               | 450                | 1500               | 3               | 450c/05       |
| CB2/DV3      | Small modular secure cabinet system with double leaf doorset | 900                 | 2000                | 1350               | 5000               | 450                | 1500               | 3               | 450c/06       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 450i to LPS 1175: Issue 7

**Modular Security Cages**

| Product Name                     | Product Type                              | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Minimum Depth (m) | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|----------------------------------|---|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-----------------|---------------|
| Ultrasecure Security Cage System | Cage formed from four sides and a ceiling | 0.5 <sup>1</sup>   | 6.0                | 0.76 <sup>2</sup> | Unlimited         | 0.76 <sup>2</sup> | 6.0               | 3               | 450i/01       |
| SCS/DV4                          | Cage formed from four sides and a ceiling | 1.4                | 4.0                | 1.1               | Unlimited         | 0.75              | 6.0               | 4               | 450i/02       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 450p to LPS 1175: Issue 7

**Security Cabinet (Wall Mounted)**

| Product Name         | Type                          | Nominal Cabinet Height (mm) | Nominal Cabinet Width (mm) | Nominal Cabinet Depth (mm) | Compatible Padlocks | Security Rating <sup>1</sup> | LPCB Ref. No. |
|----------------------|-------------------------------|-----------------------------|----------------------------|----------------------------|---------------------|------------------------------|---------------|
| Ultra Secure WCC/DV2 | Wall mounted security cabinet | 806                         | 810                        | 330                        | A and B             | 2                            | 450p/01       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 450q to LPS 1175: Issue 7

**Modular Security Enclosures**

| Product Name | Product Type                                   | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Minimum Depth (m) | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|--------------|--|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-----------------|---------------|
| WMC/IS7/DV3  | Enclosure formed from four sides and a ceiling | 1.8                | 3.0                | 1.15              | Unlimited         | 1.2               | 6.0               | 3               | 450q/04       |

## PART 4: SECTION 3

### SECURE ENCLOSURES

| Product Name | Product Type   | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Minimum Depth (m) | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|--------------|--|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-----------------|---------------|
| CB1/IS7/DV3  | Small modular secure cabinet system with single leaf doorset | 1.302              | 1.895              | 0.615             | 1.3               | 0.45              | 2.0               | 3               | 450q/05       |
| CB2/IS7/DV3  | Small modular secure cabinet system with double leaf doorset | 1.302              | 1.895              | 1.315             | 2.4               | 0.45              | 2.0               | 3               | 450q/06       |
| WMC/IS7/DV4  | Enclosure formed from four sides and a ceiling               | 1.8                | 3.0                | 1.15              | Unlimited         | 1.2               | 6.0               | 4               | 450q/01       |
| CB1/IS7/DV4  | Small modular secure cabinet system with single leaf doorset | 1.302              | 1.895              | 0.615             | 1.3               | 0.45              | 2.0               | 4               | 450q/02       |
| CB2/IS7/DV4  | Small modular secure cabinet system with double leaf doorset | 1.302              | 1.895              | 1.315             | 2.4               | 0.45              | 2.0               | 4               | 450q/03       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Total Flood Solutions

Unit 12, Llanelli Gate, Dafen, Llanelli SA14 8LQ, United Kingdom

Tel: +44 (0)845 456 7175 • Fax: +44 (0)1554 759 866

E-mail: [info@totalfloodsolutions.com](mailto:info@totalfloodsolutions.com) • Website: [www.totalfloodsolutions.com](http://www.totalfloodsolutions.com)

Certificate No: 1177b to LPS 1175: Issue 7

### Security Enclosures

| Product Name | Type   | Nominal Height (m) | Nominal Width (m) | Nominal Depth (m) | Security Rating | LPCB Ref. No. |
|--------------|--|--------------------|-------------------|-------------------|-----------------|---------------|
| TFS-140-4    | Security enclosure with integral single leaf doorset | 2.215              | 2.41              | 1.0               | 4               | 1177b/01      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Trimetals Limited**

Sunrise Business Park, Higher Shaftesbury Road, Blandford Forum, Dorset DT11 8ST, United Kingdom

Tel: +44 (0)1258 459441 • Fax: +44 (0)1258 480408

E-mail: sales@trimetals.co.uk • Website: www.trimetals.co.uk

Certificate No: 899a to LPS 1175: Issue 6

**Bicycle and Motorcycle Stores**

| Product Name    | Type             | Model                      | Nominal Internal Height <sup>1</sup> (m) | Nominal Internal Width (m) | Nominal Internal Depth (m) | Security Rating | LPCB Ref. No. |
|-----------------|------------------|----------------------------|--|----------------------------|----------------------------|-----------------|---------------|
| Protect a Cycle | Bicycle store    | -                          | 1.28                                     | 1.8                        | 0.84                       | 1 <sup>2</sup>  | 899a/01       |
| Protect a Bike  | Motorcycle store | Standard pent roof model   | 2.0                                      | 1.4                        | 2.7                        | 2 <sup>3</sup>  | 899a/02       |
|                 | Motorcycle store | Wide pent roof model       | 2.0                                      | 1.6                        | 2.7                        | 2 <sup>3</sup>  |               |
|                 | Motorcycle store | Extra wide pent roof model | 2.0                                      | 1.7                        | 2.7                        | 2 <sup>3</sup>  |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on www.RedBookLive.com

Certificate No: 899b to LPS 1175: Issue 7

**Bicycle Store**

| Product Name        | Type          | Nominal Internal Height <sup>1</sup> (m) | Nominal Internal Width (m) | Nominal Internal Depth (m) | Security Rating | LPCB Ref. No. |
|---------------------|---------------|--|----------------------------|----------------------------|-----------------|---------------|
| Protect a Cycle Pro | Bicycle store | 1.28                                     | 1.94                       | 0.84                       | 2 <sup>2</sup>  | 899b/01       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on www.RedBookLive.com

**Tyrone Fabrication Limited**

87 Goland Road, Ballygawley, Co. Tyrone, Northern Ireland BT70 2LA, United Kingdom

Tel: +44 (0)288 556 7200 • Fax: +44 (0)288 556 7089

E-mail: sales@tyrone.co.uk • Website: www.tyrone.co.uk

Certificate No: 1363a to LPS 1175: Issue 7

**Security Cabinets**

| Product Name | Type  | Height (m) | Width (m) | Minimum Depth (m) | Maximum Depth (m) | Compatible Padlock | Security Rating | LPCB Ref. No. |
|--------------|---|------------|-----------|-------------------|-------------------|--------------------|-----------------|---------------|
| T1206        | Five-sided steel location case incorporating double leaf doorsets in front and rear faces | 1.955      | 1.165     | 0.650             | 0.850             | 1                  | 2               | 1363a/03      |
| T1217        | Five-sided steel location case incorporating double leaf doorsets in front and rear faces | 1.955      | 1.165     | 0.706             | 0.906             | 2                  | 3               | 1363a/04      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on www.RedBookLive.com

## **PART 4: SECTION 3**

### **SECURE ENCLOSURES**

#### **Warrior Doors Limited**

Unit 4, Kings Road Industrial Estate, Tyseley, Birmingham, West Midlands B11 2AX, United Kingdom

Tel: +44 (0)121 706 8400 • Fax: +44 (0)121 706 4399

E-mail: [redbook@warriordoors.co.uk](mailto:redbook@warriordoors.co.uk) • Website: [www.warriordoors.co.uk](http://www.warriordoors.co.uk)

Certificate No: 1045c to LPS 1175: Issue 7

#### **Modular Security Enclosures**

| Product Name      | Type   | Minimum Height (m) | Maximum Height (m) | Minimum Width (m)  | Maximum Width (m) | Minimum Depth (m)  | Maximum Depth (m) | Security Rating | LPCB Ref. No. |
|-------------------|--|--------------------|--------------------|--------------------|-------------------|--------------------|-------------------|-----------------|---------------|
| Warrior Enclosure | Enclosure formed from four sides and a ceiling | 0.364 <sup>1</sup> | 6.20               | 0.364 <sup>2</sup> | Unlimited         | 0.364 <sup>2</sup> | Unlimited         | 4               | 1045c/01      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Key safes listed in this section are approved to LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*

Unless otherwise stated, the security rating attributed to each key safe relates to the key safes' resistance to the following methods of attack:

- Forced entry into the key safe to remove a key stored within it.
- Unauthorised removal of the key safe from the supporting substrate.

It is recommended that the security ratings of the key safes used to store keys are at least equivalent to those of the products (e.g. doorsets) the keys operate. This is particularly important if the key safes are located in unprotected areas, for example, on the outside of properties. This is to ensure the key safe does not compromise the resistance to forced entry provided by the products that the keys operate.

### Burton Safes Limited

Units 20-28, Brockholes Business Park, Rock Mill Road, Brockholes, Holmfirth HD9 7BN, United Kingdom  
 Tel: +44 (0)1484 663388 • Fax: +44 (0)1484 666338  
 E-mail: [enquiries@burtonsafes.co.uk](mailto:enquiries@burtonsafes.co.uk) • Website: [www.burtonsafes.co.uk](http://www.burtonsafes.co.uk)

Certificate No: 1000i to LPS 1175: Issue 7

#### Key Safe

| Product Name        | Model  | Instructions                                    | Security Rating | LPCB Ref. No. |
|---------------------|--|---|-----------------|---------------|
| Keyguard Digital XL | Wall mounted key safe with twelve button combination | 'Keyguard Digital XL User Instructions' Issue 4 | 1               | 1000i/01      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### SentriLock LLC

7701 Service Center Drive, West Chester, Cincinnati OH 45069, USA  
 Tel: +1 513 618 5800 • Fax: +1 513 618 5801  
 E-mail: [sentrisales@sentriLock.com](mailto:sentrisales@sentriLock.com) • Website: [www.sentriLock.com](http://www.sentriLock.com)

Certificate No: 1096a to LPS 1175: Issue 7

#### Key Safes

| Product Name             | Model   | Installation Instructions | Security Rating | LPCB Ref. No. |
|--------------------------|---|---------------------------|-----------------|---------------|
| Bluetooth® NXT-M Lockbox | Wall mounted key safe accessed by digital keypad and smart card or compatible Bluetooth® device | SL30236 Rev. D.0          | 2               | 1096a/02      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 4**

### **KEY SAFES**

#### **UTC Fire & Security B.V Electronic Key Solutions**

Kelvinstraat 7, 6003 DH Weert, The Netherlands  
Tel: +31 495 583000 • Fax: +31 495 550042  
E-mail: [esther.franken@fs.utc.com](mailto:esther.franken@fs.utc.com)

#### **Europe, Middle East, Africa sales:**

UTC Fire & Security, Supra Asset Protection Solutions, Kouterveldstraat 2, B-1831 Diegem, Belgium  
Tel: +32 478 98 32 81  
E-mail: [didier.trehout@fs.utc.com](mailto:didier.trehout@fs.utc.com)

#### **UK sales:**

The Key Safe Company, 24 The Furlong, Berry Hill Industrial Estate, Droitwich Spa, Worcestershire WR9 9AH, United Kingdom  
Tel: +44 (0)1905 770333  
E-mail: [sales@keysafe.co.uk](mailto:sales@keysafe.co.uk)

Certificate No: 1062d to LPS 1175: Issue 7

#### **Key Safes**

| Product Name             | Model   | Part No. | Instructions                           | Security Rating | LPCB Ref. No. |
|--------------------------|---|----------|--|-----------------|---------------|
| TRAC-Vault BT<br>SMART L | Wall mounted key safe<br>operated by IrDA fob | 002177   | P/N10103266P1-01 (rev A)<br>April 2014 | 2               | 1062d/01      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### **UTC Fire & Security B.V.**

Kelvinstraat 7, 6003 DH, Weert, The Netherlands  
Tel: +31 495 583000 • Fax: +31 495 550042  
E-mail: [reception.weert@fs.utc.com](mailto:reception.weert@fs.utc.com)

#### **Europe, Middle East, Africa sales:**

UTC Fire & Security, Supra Asset Protection Solutions, Kouterveldstraat 2, B-1831 Diegem, Belgium  
Tel: +32 478 98 32 81  
E-mail: [didier.trehout@fs.utc.com](mailto:didier.trehout@fs.utc.com)

#### **UK sales:**

Supra UK Ltd, 24 The Furlong, Berry Hill Industrial Estate, Droitwich Spa, Worcestershire WR9 9AH, United Kingdom  
Tel: +44 (0)1905 770333  
E-mail: [sales@keysafe.co.uk](mailto:sales@keysafe.co.uk)

Certificate No: 1062a to LPS 1175: Issue 6

#### **Key Safes**

| Product Name | Model   | Part No. | Installation Instructions      | Security Rating | LPCB Ref. No. |
|--------------|---|----------|--------------------------------|-----------------|---------------|
| Supra P500   | Wall mounted key safe with twelve button<br>combination | 002045   | P/N10102761P1-01<br>Revision F | 1               | 1062a/01      |

## **PART 4: SECTION 4**

### KEY SAFES

| <b>Product Name</b>          | <b>Model</b>   | <b>Part No.</b> | <b>Installation Instructions</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|------------------------------|--|-----------------|----------------------------------|------------------------|----------------------|
| Supra Consumer 500           | Wall mounted key safe with twelve button combination                               | 002049          | P/N10102770P1-01<br>Revision K   | 1                      | 1062a/02             |
| Supra P500 with alarm switch | Wall mounted key safe with twelve button combination incorporating an alarm switch | 002046          | P/N10102761P1-01<br>Revision F   | 1                      | 1062a/03             |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 5**

### PHYSICAL SECURITY PROTECTION OF BUILDINGS AND OTHER FACILITIES

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted in order to apprehend the intruder.

The delay provided by physical security equipment is typically measured in terms of the tools and time required to achieve entry through the physical security equipment. These combine to indicate the effort required by an intruder in order to gain unauthorised access through the physical security barrier.

Using physical security equipment that achieves a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert in order to gain entry. That effort extends beyond the physical effort required to overcome the physical security equipment. It also includes the effort required to plan and prepare for the attack. The greater the investment in the planning and preparation that a criminal believes is required to conduct a successful attack, the less likely they are to conduct that attack unless the return on that investment is sufficient.

As the security ratings increase, the size and weight of tools required to compromise the products also increases. Using larger, heavier tools increases an intruder's likelihood of being detected through natural surveillance. They can also slow down the intruder if they have to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

*LPS 1175 Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers* confirms the resistance to forced entry provided by security products, systems and building materials.

While previous versions of the standard specified six levels of resistance (security ratings), the latest versions (Issue 6 and 7) specify eight security ratings. The levels of risk on which the security ratings in Issue 6 and 7 are based are represented in the following chart.

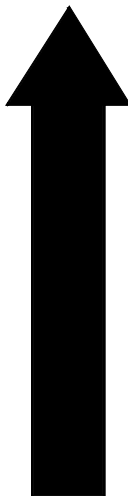
LPS 1175 supports the assessment, approval and specification of security doors, shutters and grilles together with many other products and systems designed to prevent unauthorised access by mechanical means. These include:

- Access covers
- Cladding systems
- Containers
- Curtain walling systems
- Fences
- Folding doorsets
- Garage doorsets
- Gates and turnstiles
- Hinged doorsets
- Partitioning systems
- Roofing systems
- Security enclosures
- Security grilles
- Security screens
- Sheds and tool stores
- Shutters
- Skylights
- Sliding doorsets
- Strongpoints
- Temporary buildings
- Vehicles
- Walls
- Windows

LPS 1175 is based on manual attack testing with the resistance provided by the products measured in terms of the attack tools and time available to the attacker. It enables specifiers to select products according to the risk.

Further information on the security rating system and attack tools can be found in the standard itself, which can be downloaded for free from [www.redbooklive.com](http://www.redbooklive.com).



|  |                      |  |
|--|----------------------|--|
|  <p><b>HIGH RISK</b></p> <p><b>LOW RISK</b></p> | <b>LPS 1175 SR 8</b> | Products certified to this standard provide 20 minutes of resistance to extreme means of attempting forced entry into higher value storage areas.  |
|  | <b>LPS 1175 SR 7</b> | Products certified to these standards provide 10 minutes of resistance to professional means of attempting forced entry into higher value storage areas using a wide range of tools including mains powered tools. |
|  | <b>LPS 1175 SR 6</b> |  |
|  | <b>LPS 1175 SR 5</b> | Products certified to these standards resist experienced attempts at forced entry using a wide range of tools including battery powered tools lasting up to 10 minutes (SR4 and SR5) or 5 minutes (SR3).           |
|  | <b>LPS 1175 SR 4</b> |  |
|  | <b>LPS 1175 SR 3</b> |  |
|  | <b>LPS 1175 SR 2</b> | Products certified to this standard provide 3 minutes of resistance to determined attack by an opportunist burglar using a range of techniques including those that involve creation of noise.                     |
|  | <b>LPS 1175 SR 1</b> | Products certified to this standard provide 1 minute of resistance to opportunist attempts at entry using a range of techniques including those that create noise such as those involving breaking glass.          |

In addition to certifying products to LPS 1175, LPCB also offers approval of products to the following standards:

- PAS 24: 2012 *Enhanced security performance requirements for doorsets and windows in the UK - External doorsets and windows intended to offer a level of security suitable for dwellings and other buildings exposed to comparable risk.*
- EN 1627: 2011 *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification.*

PAS 24 is primarily aimed at domestic applications where intruders will generally use stealth to avoid detection. This version of the standard covers residential doors and windows.

The levels of resistance offered by products approved to PAS 24 is generally lower than that provided by products approved to LPS 1175, especially if the products incorporate glass or in situations where the criminal can make sustained amounts of noise while attempting entry. Nonetheless, Secured by Design (SBD) have reported a significant reduction in domestic burglary as a result of the use of products approved to PAS 24.

EN 1627 is the European standard aimed at façade security products used in domestic and commercial situations. Its lower levels, i.e. up to resistance class 3, are primarily aimed at situations where criminals are more likely to use stealth for fear of attracting attention when attempting to force entry into premises.

The scope of products that can be approved to LPS 1175, PAS 24 and EN 1627 are summarised in the following table:-

## PART 4: SECTION 5

### PHYSICAL SECURITY PROTECTION OF BUILDINGS AND OTHER FACILITIES

| Physical security product | LPS 1175: Issue 7 <sup>(i)</sup> | PAS 24: 2012       | EN 1627: 2011 |
|---------------------------|----------------------------------|--------------------|---------------|
| Access covers and hatches | ✓                                |                    |               |
| Cladding systems          | ✓                                |                    |               |
| Curtain walling           | ✓                                |                    | ✓             |
| Doorsets (Cantilevered)   | ✓                                |                    |               |
| Doorsets (Folding)        | ✓                                | ✓ <sup>(ii)</sup>  | ✓             |
| Doorsets (Hinged)         | ✓                                | ✓ <sup>(iii)</sup> | ✓             |
| Doorsets (Revolving)      | ✓                                |                    |               |
| Doorsets (Sliding)        | ✓                                | ✓ <sup>(ii)</sup>  | ✓             |
| Gates and turnstiles      | ✓                                |                    |               |
| Partitioning systems      | ✓                                |                    |               |
| Rooflights and skylights  | ✓                                | (M)                | (M)           |
| Roofing systems           | ✓                                |                    |               |
| Secondary glazing systems | ✓                                |                    | ✓             |
| Security grilles          | ✓                                |                    | ✓             |
| Security screens          | ✓                                |                    | ✓             |
| Security shutters         | ✓                                |                    | ✓             |
| Temporary buildings       | ✓                                |                    |               |
| Walls and ceilings        | ✓                                |                    |               |
| Windows                   | ✓                                | ✓ <sup>(iv)</sup>  | ✓             |

#### Notes:

- (i) LPS 1175: Issue 7 covers many other types of product extending beyond those listed above.
- (ii) Folding doorsets and sliding doorsets with any frame member longer than 3 m are not covered by PAS 24:2012.
- (iii) The following types of hinged doorset are not covered by PAS 24:2012:
  - Double swing hinged doorsets, i.e. those hinged doorsets with leaves that open in both directions.
  - Doorsets with leaves with two halves, e.g. stable doorsets.
  - Doorsets with any frame member longer than 3 m.
  - Doorsets that are not rectangular e.g. arched doorsets.
- (iv) PAS 24 2012 and EN 1627:2011 do not define how products designed to be used in the horizontal plane, such as rooflights, should be tested.
- (v) The following types of window are not covered by PAS 24:2012:
  - Windows incorporating top hung open-in casements, side swing casements, horizontally sliding sashes or louvered vents.
  - Windows with any frame member longer than 3 m.
  - Windows that are not rectangular, e.g. round or arched windows.

Specifiers should note that, although the working times specified for grades 2, 3 and 4 in EN 1627 match those defined for ratings 2, 3 and 4 in LPS 1175 (i.e. 3 minutes, 5 minutes and 10 minutes respectively), LPS 1175 covers risks associated with a far wider array of tools and attack methods, including those that involve noise. **Specifiers should not assume products approved to EN 1627 achieve the 'equivalent' ratings when tested to LPS 1175.**

The quality of the testing conducted to EN 1627 relies heavily on the knowledge and experience of the test engineers conducting that testing. Therefore, in order to ensure products approved by LPCB deliver the protection expected, LPCB only recognises tests conducted to EN 1627 by BRE Global's highly experienced team of test engineers or by other laboratories that have suitably demonstrated their competence to conduct tests to EN 1627 to an equally high standard.

Detailed comparisons of EN 1627 and LPS 1175 are available from the Security Team (email [PhysicalSecurity@bre.co.uk](mailto:PhysicalSecurity@bre.co.uk))

#### Hotel Doorsets

In addition to these standards, LPCB has drafted a standard for Hotel Doorsets. LPS 1268 *Specification for the testing and classification of hotel bedroom doorsets* covers many aspects of the doorset's performance, from security performance through to fire resistance, acoustic and general durability. Copies of the standard are available free of charge and can be obtained by emailing [PhysicalSecurity@bre.co.uk](mailto:PhysicalSecurity@bre.co.uk)

### **Product Selection**

When selecting a security door, shutter, grille or other façade element, it is important to note aspects such as the size, locking systems, modes and directions of opening, and the type, size and location of any glazing incorporated within the product or system. All can affect the level of security provided by the product. These aspects of each certified product have therefore been described to enable selection of the most appropriate product for the desired application. Where options, such as glazed in-fills within door leaves, are not covered in the listing, those options fall outside the scope of that product's approval.

Unless otherwise stated, the security ratings attributed to the products listed require all lock bolts to be fully engaged and any deadlocking mechanism provided must be engaged. If a product is shown to achieve more than one security rating:

- The lower rating indicates the security rating achieved by the product when in the 'minimum locked condition'. That locked condition occurs when the opening element (e.g. door leaf) is closed and only automatic latching mechanisms are engaged.
- The higher rating indicates the security rating achieved by the product when in the optimum locked condition. That locked condition occurs when all locking points are engaged and deadlocked.

### **Installation, Service and Maintenance**

It is important to ensure products are installed and maintained in accordance with the manufacturer's instructions and that all exposed fixings, the substrate into which the device is fitted and the locking mechanisms are regularly checked to ensure that they are in good condition and that they have not been tampered with. For added peace of mind, we recommend products are:

- Installed by companies certified to LPS 1271 *Requirements for the LPCB Approval and Listing of companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers.*
- Serviced and maintained by companies certified to LPS 1197 *Requirements for the LPCB Approval and Listing of companies inspecting, repairing and maintaining fire and security doors, doorsets, shutters and active smoke/fire barriers.*

It is also recommended to ensure their scope of approval to these standards covers the product to be installed, serviced or maintained.

A list of currently approved installation, service and maintenance companies is provided in Installers Service and Maintenance section of [www.redbooklive.com](http://www.redbooklive.com).

## ***PART 4: SECTION 5***

### PHYSICAL SECURITY PROTECTION OF BUILDINGS AND OTHER FACILITIES

#### **Other Performance Attributes**

LPCB also offer approvals of a range of other performance attributes alongside security. These include:

- Acoustics
- Durability
- Fire Resistance
- Impact Resistance
- Operating Forces
- Thermal Performance
- Weathertightness

Doorsets listed in this section are approved to either/or the following standards:

- LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*
- LPS 2081 *Requirements and testing procedures for the LPCB approval and listing of building components, strongpoints, security enclosures and free-standing barriers offering resistance to intruders attempting to use stealth to gain entry*
- PAS 24 *Enhanced security performance requirements for doorsets and windows in the UK - External doorsets and windows intended to offer a level of security suitable for dwellings and other buildings exposed to comparable risk*
- EN 1627 *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification.*

## AccentHansen

Cedars House, Sandbrook Way, Sandbrook Business Park, Rochdale OL11 1LQ, United Kingdom

Tel: +44 (0)161 284 4100 • Fax: +44 (0)161 655 3119

E-mail: [info@accenthansen.co.uk](mailto:info@accenthansen.co.uk) • Website: [www.accenthansen.com](http://www.accenthansen.com)

Certificate No: 021d to LPS 1175: Issue 7

### Hinged Security Doorsets

| Product Name    | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|-----------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| SecureShield 2  | Single leaf outward opening hinged security doorset                             | 1.5                                   | 2.6 <sup>1</sup>                      | 0.5                                  | 1.25                                 | 2               | 021d/01       |
|                 | Double leaf outward opening hinged security doorset                             | 1.5                                   | 2.6 <sup>1</sup>                      | 1.3                                  | 2.5                                  | 2               | 021d/02       |
| SecureShield 2M | Single leaf outward opening doorset   | 1.0                                   | 2.43                                  | 0.74                                 | 1.18                                 | 2 <sup>2</sup>  | 021d/07       |
|                 | Single leaf outward opening doorset with side and/or over panels <sup>3</sup>   | 1.0                                   | 3.93                                  | 0.74                                 | 4.18                                 | 2 <sup>2</sup>  |               |
|                 | Double leaf outward opening doorset <sup>4</sup>                                | 1.0                                   | 2.43                                  | 1.15                                 | 2.20                                 | 2 <sup>2</sup>  |               |
|                 | Double leaf outward opening doorset with side and/or over panels <sup>3,4</sup> | 1.0                                   | 3.93                                  | 1.15                                 | 5.20                                 | 2 <sup>2</sup>  |               |
| SecureShield 3  | Single leaf outward opening hinged security doorset                             | 1.8                                   | 2.5                                   | 0.7                                  | 1.3                                  | 3               | 021d/03       |
|                 | Double leaf hinged security doorset with unequal leafs <sup>4</sup>             | 1.8                                   | 2.5                                   | 1.3                                  | 1.8                                  | 3               |               |
|                 | Double leaf hinged security doorset with equal leafs                            | 1.8                                   | 2.5                                   | 1.3                                  | 2.5                                  | 3               |               |

# PART 4: SECTION 5.1

## SECURITY DOORSETS

| Product Name  | Type   | Minimum Structural Opening Height (m)               | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|---|--|---|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| SecureShield 3M   | Single leaf outward opening doorset  | 1.0 <sup>5</sup>                                    | 2.93 <sup>5</sup>                     | 0.6 <sup>6</sup>                     | 1.43 <sup>6</sup>                    | 3 <sup>7</sup>  | 021d/08       |
|   | Single leaf outward opening doorset with removable over panel <sup>3</sup>   | 1.2 <sup>5</sup>                                    | 4.13 <sup>5</sup>                     | 0.6 <sup>6</sup>                     | 1.43 <sup>6</sup>                    | 3 <sup>7</sup>  |               |
|   | Double leaf outward opening doorset <sup>4</sup>                             | 1.0 <sup>5</sup>                                    | 2.93 <sup>5</sup>                     | 0.9 <sup>6</sup>                     | 2.6 <sup>6</sup>                     | 3 <sup>7</sup>  |               |
|   | Double leaf outward opening doorset with removable over panel <sup>3,4</sup> | 1.2 <sup>5</sup>                                    | 4.13 <sup>5</sup>                     | 0.9 <sup>6</sup>                     | 2.6 <sup>6</sup>                     | 3 <sup>7</sup>  |               |
|   | SecureShield 4   | Single leaf outward opening hinged security doorset | 1.8                                   | 2.5 <sup>8</sup>                     | 0.7                                  | 1.3             |               |
| Double leaf hinged security doorset with unequal leafs <sup>4</sup> | 1.8  | 2.5 <sup>8</sup>                                    | 1.3                                   | 1.8                                  | 4                                    |                 |               |
| Double leaf hinged security doorset with equal leafs                | 1.8  | 2.5 <sup>8</sup>                                    | 1.3                                   | 2.5                                  | 4                                    |                 |               |
| SecureShield 5  | Single leaf outward opening hinged security doorset                          | 1.8   | 2.32                                  | 0.7                                  | 1.3                                  | 5               | 021d/05       |
|   | Double leaf hinged security doorset with unequal leafs <sup>4</sup>          | 1.8   | 2.32                                  | 1.3                                  | 1.8                                  | 5               |               |
|   | Double leaf hinged security doorset with equal leafs                         | 1.8   | 2.32                                  | 1.3                                  | 2.2                                  | 5               |               |
| SecureShield 6  | Single leaf outward opening hinged security doorset                          | 1.8   | 2.32                                  | 0.7                                  | 1.3                                  | 6               | 021d/06       |
|   | Double leaf hinged security doorset with unequal leafs <sup>4</sup>          | 1.8   | 2.32                                  | 1.3                                  | 1.8                                  | 6               |               |
|   | Double leaf hinged security doorset with equal leafs                         | 1.8   | 2.32                                  | 1.3                                  | 2.2                                  | 6               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Ascot Doors Limited

Britannia Way Industrial Park, Union Road, Bolton BL2 2HE, United Kingdom

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E-mail: [sales@ascotdoors.co.uk](mailto:sales@ascotdoors.co.uk) • Website: [www.ascotdoors.co.uk](http://www.ascotdoors.co.uk)

Certificate No: 131g to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name    | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating <sup>1</sup> | LPCB Ref. No. |
|-----------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|------------------------------|---------------|
| Centurion A363S | Single leaf, outward opening hinged doorset | 1.8                                   | 2.9                                   | 0.7                                  | 1.35                                 | 3                            | 131g/01       |
| Centurion A363D | Double leaf, outward opening hinged doorset | 1.8                                   | 2.9                                   | 1.4                                  | 2.61                                 | 3                            | 131g/02       |
| Centurion A355  | Single leaf, outward opening hinged doorset | 1.8                                   | 2.5                                   | 0.7                                  | 1.35                                 | 4                            | 131g/03       |
| Centurion A364S | Single leaf, outward opening hinged doorset | 1.8                                   | 2.9                                   | 0.7                                  | 1.35                                 | 4                            | 131g/04       |
| Centurion A364D | Double leaf, outward opening hinged doorset | 1.8                                   | 2.9                                   | 1.4                                  | 2.61                                 | 4                            | 131g/05       |
| Centurion A365S | Single leaf, outward opening hinged doorset | 1.8                                   | 2.9                                   | 0.7                                  | 1.35                                 | 5                            | 131g/06       |
| Centurion A365D | Double leaf, outward opening hinged doorset | 1.8                                   | 2.9                                   | 1.4                                  | 2.61                                 | 5                            | 131g/07       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Assa Abloy Limited T/A Assa Abloy Security Doors**

21 Ferguson Drive, Knockmore Hill Industrial Park, Lisburn, Northern Ireland BT28 2EX, United Kingdom

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Certificate No: 852a to LPS 1175: Issue 6

**Hinged Security Doorsets**

| Product Name                  | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating <sup>1</sup> | LPCB Ref. No. |
|-------------------------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|------------------------------|---------------|
| Powershield Glen Single       | Single leaf, outward opening hinged security doorset              | 1.2                                   | 2.71                                  | 0.65                                 | 1.35                                 | 3                            | 852a/01       |
| Powershield Glen Double       | Double leaf, outward opening hinged security doorset <sup>2</sup> | 1.2                                   | 2.71                                  | 1.0                                  | 2.7                                  | 3                            | 852a/02       |
| Powershield Strangford Single | Single leaf, outward opening hinged security doorset              | 1.8                                   | 2.4                                   | 0.75                                 | 1.2                                  | 4                            | 852a/03       |

## PART 4: SECTION 5.1

### SECURITY DOORSETS

| Product Name                  | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating <sup>1</sup> | LPCB Ref. No. |
|-------------------------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|------------------------------|---------------|
| Powershield Strangford Double | Double leaf, outward opening hinged security doorset <sup>3</sup> | 1.8                                   | 2.4                                   | 1.4                                  | 2.4                                  | 4                            | 852a/04       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 852b to LPS 1175: Issue 5

#### Hinged Security Doorsets

| Product Name               | Type   | Minimum Clear Opening Height (m) | Maximum Clear Opening Height (m) | Minimum Clear Opening Width (m) | Maximum Clear Opening Width (m) | Security Rating | LPCB Ref. No. |
|----------------------------|--|----------------------------------|----------------------------------|---------------------------------|---------------------------------|-----------------|---------------|
| Safeguard Trenchard Single | Single leaf, outward opening hinged security doorset | 1.8                              | 2.4                              | 0.76                            | 1.2                             | 3               | 852b/01       |
| Safeguard Fenwick Single   | Single leaf, outward opening hinged security doorset | 1.8                              | 2.4                              | 0.76                            | 1.2                             | 4               | 852b/02       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 852c to LPS 1175: Issue 7

#### Hinged Security Doorsets

| Product Name           | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|------------------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Powershield Clandeboye | Single leaf outward opening hinged security doorset  | 0.8                                   | 2.8                                   | 0.35                                 | 1.4                                  | 2               | 852c/03       |
|                        | Single leaf outward opening hinged security doorset with over panels <sup>1</sup>              | 1.05                                  | 4.8                                   | 0.35                                 | 1.25                                 | 2               |               |
|                        | Double leaf outward opening hinged security doorset <sup>2</sup>                               | 0.8                                   | 2.8                                   | 0.6                                  | 2.8                                  | 2 <sup>4</sup>  |               |
|                        | Double leaf outward opening hinged security doorset <sup>2</sup> with over panels <sup>1</sup> | 1.05                                  | 4.8                                   | 0.6                                  | 2.8                                  | 2 <sup>4</sup>  |               |
| Powershield Strangford | Single leaf, outward opening hinged security doorset   | 2.0                                   | 2.54                                  | 0.6                                  | 1.4                                  | 4               | 852c/01       |
|                        | Double leaf, outward opening hinged security doorset <sup>3</sup>                              | 2.0                                   | 2.54                                  | 1.1                                  | 2.54                                 | 4 <sup>4</sup>  |               |
| Safeguard Ultimium     | Single leaf, outward opening hinged security doorset   | 1.5                                   | 2.54                                  | 0.6                                  | 1.4                                  | 4               | 852c/02       |



**PART 4: SECTION 5.1****SECURITY DOORSETS**

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
|              | Single leaf, inward opening hinged security doorset               | 1.5                                   | 2.54                                  | 0.6                                  | 1.4                                  | 4               |               |
|              | Double leaf, outward opening hinged security doorset <sup>3</sup> | 1.5                                   | 2.54                                  | 1.1                                  | 2.54                                 | 4 <sup>4</sup>  |               |
|              | Double leaf, inward opening hinged security doorset <sup>3</sup>  | 1.5                                   | 2.54                                  | 1.1                                  | 2.54                                 | 4 <sup>4</sup>  |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Bastion Security Products Limited**

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E-mail: [moreinfo@bastionprotects.com](mailto:moreinfo@bastionprotects.com) • Website: [www.bastionprotects.com](http://www.bastionprotects.com)

Certificate No: 1046b to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name  | Type                                | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|---------------|-------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Bastion Door4 | Single leaf outward opening doorset | 1.138                                 | 2.110                                 | 0.624                                | 1.135                                | 4               | 1046b/01      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**BenweldSecure Limited**

Unit 14A, Hartlebury Trading Estate, Hartlebury, Worcestershire DY10 4JB, United Kingdom

Tel: +44 (0)1299 251750 • Fax: +44 (0)1299 253576

E-mail: [sales@benweld.co.uk](mailto:sales@benweld.co.uk) • Website: [www.benweld.co.uk](http://www.benweld.co.uk)

Certificate No: 1165c to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Upton 3      | Single leaf outward opening doorset              | 1.535                                 | 2.51                                  | 0.6                                  | 1.26                                 | 3               | 1165c/01      |
|              | Double leaf outward opening doorset <sup>1</sup> | 1.535                                 | 2.51                                  | 1.325                                | 2.01                                 | 3               |               |

## PART 4: SECTION 5.1

### SECURITY DOORSETS

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Upton 4      | Single leaf outward opening doorset              | 1.535                                 | 2.51                                  | 0.6                                  | 1.26                                 | 4               | 1165c/02      |
|              | Double leaf outward opening doorset <sup>1</sup> | 1.535                                 | 2.51                                  | 1.325                                | 2.01                                 | 4               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Bolton Gate Co. Limited

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Certificate No: 026-2b to LPS 1175: Issue 5

### Folding Security Doorsets

| Product Name   | Type <sup>1</sup>   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|----------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Superfold 4000 | Sliding folding panel security doorset comprised of 4 door panels | 3.0                                   | 6.0                                   | 1.7                                  | 4.65                                 | 4               | 026-2b/01     |
|                | Sliding folding panel security doorset comprised of 6 door panels | 3.0                                   | 6.0                                   | 2.6                                  | 7.0                                  | 4               |               |
|                | Sliding folding panel security doorset comprised of 8 door panels | 3.0                                   | 6.0                                   | 3.55                                 | 8.0                                  | 4               |               |
| Superfold 5000 | Sliding folding panel security doorset comprised of 4 door panels | 3.0                                   | 6.0                                   | 1.7                                  | 4.65                                 | 5               | 026-2b/02     |
|                | Sliding folding panel security doorset comprised of 6 door panels | 3.0                                   | 6.0                                   | 2.6                                  | 7.0                                  | 5               |               |
|                | Sliding folding panel security doorset comprised of 8 door panels | 3.0                                   | 6.0                                   | 3.55                                 | 8.0                                  | 5               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Booth Industries Limited

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Certificate No: 816a to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Dunscar      | Single leaf inward opening hinged security doorset                                | 2.0                                   | 3.01                                  | 0.8                                  | 1.35                                 | 2               | 816a/02       |
|              | Single leaf outward opening hinged security doorset                               | 2.0                                   | 3.01                                  | 0.8                                  | 1.35                                 | 2 <sup>1</sup>  |               |
|              | Double leaf outward opening hinged security doorset <sup>2</sup>                  | 2.0                                   | 3.01                                  | 1.6                                  | 2.80                                 | 2 <sup>1</sup>  |               |
| Belmont      | Single leaf outward opening hinged security doorset                               | 2.0                                   | 3.01 <sup>3</sup>                     | 0.8                                  | 1.31                                 | 3               | 816a/01       |
|              | Single leaf outward opening hinged security doorset with overpanel <sup>4</sup>   | 2.3                                   | 4.0 <sup>3</sup>                      | 0.8                                  | 1.31                                 | 3               |               |
|              | Single leaf inward opening hinged security doorset                                | 2.0                                   | 3.01                                  | 0.8                                  | 1.31                                 | 3               |               |
|              | Double leaf outward opening hinged security doorset <sup>5</sup>                  | 2.0                                   | 3.01 <sup>3</sup>                     | 1.6                                  | 2.6                                  | 3 <sup>6</sup>  |               |
|              | Double leaf outward opening hinged security doorset with overpanel <sup>4,5</sup> | 2.3                                   | 4.2 <sup>3</sup>                      | 1.6                                  | 2.6                                  | 3 <sup>6</sup>  |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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**Middle East Partner - Sales Enquiries**

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E-mail: [info@gfiuae.com](mailto:info@gfiuae.com)

Certificate No: 312e to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating  | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|------------------|---------------|
| 'M2M2FL'     | Single leaf outward opening plain leaf doorset                | 1.4                                   | 2.45                                  | 0.8                                  | 1.4                                  | 2                | 312e/04       |
|              | Double leaf outward opening plain leafed doorset <sup>8</sup> | 1.4                                   | 2.45                                  | 1.3                                  | 2.7                                  | 2                |               |
| 'M2M3'       | Single leaf outward opening plain leafed doorset              | 1.0 <sup>1</sup>                      | 2.93 <sup>2</sup>                     | 0.6 <sup>3</sup>                     | 1.43 <sup>4</sup>                    | 3 <sup>5,7</sup> | 312e/01       |
|              | Single leaf outward opening louvred doorset                   | 1.745                                 | 2.43                                  | 0.74                                 | 1.18                                 | 3 <sup>6</sup>   |               |

# PART 4: SECTION 5.1

## SECURITY DOORSETS

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating  | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|------------------|---------------|
|              | Single leaf outward opening hinged security doorset with removable over panel | 1.2 <sup>1</sup>                      | 4.13 <sup>2</sup>                     | 0.6 <sup>3</sup>                     | 1.43 <sup>4</sup>                    | 3 <sup>7</sup>   |               |
|              | Single leaf inward opening hinged doorset                                     | 1.0                                   | 2.93                                  | 0.6                                  | 1.43                                 | 3 <sup>7</sup>   |               |
|              | Single leaf inward opening hinged doorset with removable over panel           | 1.2                                   | 4.13                                  | 0.6                                  | 1.43                                 | 3 <sup>7</sup>   |               |
|              | Double leaf outward opening plain leafed doorset <sup>8</sup>                 | 1.0 <sup>1</sup>                      | 2.93 <sup>2</sup>                     | 0.9 <sup>9</sup>                     | 2.6 <sup>10</sup>                    | 3 <sup>5,7</sup> |               |
|              | Double leaf outward opening louvred doorset <sup>8</sup>                      | 1.745                                 | 2.43                                  | 1.15                                 | 2.2                                  | 3 <sup>6</sup>   |               |
|              | Double leaf outward opening hinged security doorset with removable over panel | 1.2 <sup>1</sup>                      | 4.13 <sup>2</sup>                     | 0.9 <sup>9</sup>                     | 2.6 <sup>10</sup>                    | 3 <sup>7</sup>   |               |
|              | Double leaf inward opening hinged doorset                                     | 1.0                                   | 2.93                                  | 0.9                                  | 2.6                                  | 3 <sup>7</sup>   |               |
|              | Double leaf inward opening hinged security doorset with removable over panel  | 1.2                                   | 4.13                                  | 0.9                                  | 2.6                                  | 3 <sup>7</sup>   |               |
| 'M2M3FL'     | Single leaf outward opening plain leafed doorset                              | 1.4                                   | 2.45                                  | 0.8                                  | 1.4                                  | 3                | 312e/05       |
|              | Double leaf outward opening plain leafed doorset <sup>8</sup>                 | 1.4                                   | 2.45                                  | 1.3                                  | 2.7                                  | 3                |               |
| 'M2M4'       | Single leaf outward opening hinged doorset                                    | 1.0                                   | 2.93                                  | 0.6                                  | 1.43                                 | 4 <sup>11</sup>  | 312e/03       |
|              | Single leaf outward opening hinged doorset with side and/or over panels       | 1.0                                   | 4.43                                  | 0.6                                  | 2.93                                 | 4 <sup>11</sup>  |               |
|              | Single leaf inward opening hinged doorset                                     | 1.0                                   | 2.93                                  | 0.6                                  | 1.43                                 | 4 <sup>11</sup>  |               |
|              | Single leaf inward opening hinged doorset with side and/or over panels        | 1.0                                   | 4.43                                  | 0.6                                  | 2.93                                 | 4 <sup>11</sup>  |               |
|              | Double leaf outward opening hinged doorset <sup>8</sup>                       | 1.0                                   | 2.93                                  | 0.9                                  | 2.6                                  | 4 <sup>11</sup>  |               |
|              | Double leaf outward opening hinged doorset with side and/or over panels       | 1.0                                   | 4.43                                  | 0.9                                  | 4.1                                  | 4 <sup>11</sup>  |               |
| 'M2M4FL'     | Single leaf outward opening plain leafed doorset                              | 1.4                                   | 2.45                                  | 0.8                                  | 1.4                                  | 4                | 312e/06       |
|              | Double leaf outward opening plain leafed doorset <sup>8</sup>                 | 1.4                                   | 2.45                                  | 1.3                                  | 2.7                                  | 4                |               |

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Certificate No: 312f to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name      | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|-------------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| 'M2M <sup>2</sup> | Single leaf outward opening doorset   | 1.0                                   | 2.43                                  | 0.74                                 | 1.18                                 | 2               | 312f/01       |
|                   | Single leaf outward opening doorset with side and/or over panels              | 1.0                                   | 3.93                                  | 0.74                                 | 4.18                                 | 2               |               |
|                   | Double leaf outward opening doorset <sup>1</sup>                              | 1.0                                   | 2.43                                  | 1.15                                 | 2.20                                 | 2 <sup>2</sup>  |               |
|                   | Double leaf outward opening doorset with side and/or over panels <sup>1</sup> | 1.0                                   | 3.93                                  | 1.15                                 | 5.20                                 | 2 <sup>2</sup>  |               |

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Certificate No: 312d to LPS 1175: Issue 6

**Hinged Security Doorsets**

| Product Name      | Type  | Minimum Clear Opening Height (m) | Maximum Clear Opening Height (m) | Minimum Clear Opening Width (m) | Maximum Clear Opening Width (m) | Security Rating | LPCB Ref. No. |
|-------------------|---|----------------------------------|----------------------------------|---------------------------------|---------------------------------|-----------------|---------------|
| 'M2M <sup>1</sup> | Single leaf outward opening hinged security doorset | 1745                             | 2475                             | 740                             | 1210                            | 1               | 312d/01       |
|                   | Single leaf outward opening hinged security doorset | 1745                             | 2410                             | 740                             | 990                             | 1               |               |

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Certificate No: 312m to LPS 2081: Issue 1

**Hinged Glazed Security Doorsets**

| Product Name          | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|-----------------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Classic <sup>AL</sup> | Single leaf inward or outward opening fully glazed hinged security doorset | 0.9                                   | 2.2                                   | 0.9                                  | 1.2                                  | B               | 312m/01       |

# PART 4: SECTION 5.1

## SECURITY DOORSETS

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
|              | Single leaf inward or outward opening fully glazed hinged security doorset <sup>1</sup> with a single side panel and or over panel <sup>2</sup>         | 1.2                                   | 3.4                                   | 1.2                                  | 2.4                                  | B               |               |
|              | Single leaf inward or outward opening fully glazed hinged security doorset <sup>1</sup> with two side panels <sup>3</sup> with or without an over panel | 1.2                                   | 3.4                                   | 1.5                                  | 3.6                                  | B               |               |

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Certificate No: 1284a to LPS 1175: Issue 7

### Hinged Security Doorsets

| Product Name      | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|-------------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Defender Xtreme 1 | Single leaf outward opening hinged security doorset   | 1.8                                   | 2.21                                  | 0.75                                 | 1.3                                  | 1               | 1284a/01      |
|                   | Double leaf outward opening hinged security doorset <sup>1</sup>                            | 1.8                                   | 2.21                                  | 1.5                                  | 2.2                                  | 1               |               |
|                   | Single leaf outward opening hinged security doorset incorporating overpanels <sup>2</sup>   | 2.29                                  | 3.21                                  | 0.75                                 | 1.3                                  | 1               |               |
|                   | Double leaf outward opening hinged security doorset incorporating overpanels <sup>1,2</sup> | 2.29                                  | 3.21                                  | 1.5                                  | 2.2                                  | 1               |               |
| Defender Xtreme 2 | Single leaf outward opening hinged security doorset   | 1.8                                   | 2.2                                   | 0.75                                 | 1.3                                  | 2               | 1284a/02      |
|                   | Double leaf outward opening hinged security doorset <sup>1</sup>                            | 1.8                                   | 2.2                                   | 1.5                                  | 2.5                                  | 2               |               |
|                   | Single leaf outward opening hinged security doorset incorporating overpanels <sup>2</sup>   | 2.29                                  | 3.21                                  | 0.75                                 | 1.3                                  | 2               |               |
|                   | Double leaf outward opening hinged security doorset incorporating overpanels <sup>1,2</sup> | 2.29                                  | 3.21                                  | 1.5                                  | 2.2                                  | 2               |               |
| Defender Xtreme 3 | Single leaf outward opening hinged security doorset   | 1.5                                   | 3.06                                  | 0.75                                 | 1.4                                  | 3 <sup>3</sup>  | 1284a/03      |

**PART 4: SECTION 5.1**

## SECURITY DOORSETS

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
|              | Double leaf outward opening hinged security doorset <sup>1</sup> | 1.5                                   | 3.06                                  | 1.5                                  | 2.51                                 | 3 <sup>3</sup>  |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 1000a to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |                |          |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|----------------|----------|
| Kronos SR2   | Single leaf outward opening doorset   | 1.0                                   | 2.43                                  | 0.74                                 | 1.18                                 | 2 <sup>1</sup>  | 1000a/01      |                |          |
|              | Single leaf outward opening doorset with side and/or over panels <sup>2</sup>   | 1.0                                   | 3.93                                  | 0.74                                 | 4.18                                 | 2 <sup>1</sup>  |               |                |          |
|              | Double leaf outward opening doorset <sup>3</sup>                                | 1.0                                   | 2.43                                  | 1.15                                 | 2.20                                 | 2 <sup>1</sup>  |               |                |          |
|              | Double leaf outward opening doorset with side and/or over panels <sup>2,3</sup> | 1.0                                   | 3.93                                  | 1.15                                 | 5.20                                 | 2 <sup>1</sup>  |               |                |          |
| Kronos SR3   | Single leaf outward opening doorset   | 1.0 <sup>4</sup>                      | 2.93 <sup>5</sup>                     | 0.6 <sup>6</sup>                     | 1.43 <sup>7</sup>                    | 3 <sup>8</sup>  | 1000a/02      |                |          |
|              | Single leaf outward opening doorset with removable over panel <sup>2</sup>      | 1.2 <sup>4</sup>                      | 4.13 <sup>5</sup>                     | 0.6 <sup>6</sup>                     | 1.43 <sup>7</sup>                    | 3 <sup>8</sup>  |               |                |          |
|              | Single leaf inward opening doorset  | 1.0                                   | 2.93                                  | 0.6                                  | 1.43                                 | 3 <sup>8</sup>  |               |                |          |
|              | Single leaf inward opening doorset with removable over panel <sup>2</sup>       | 1.2                                   | 4.13                                  | 0.6                                  | 1.43                                 | 3 <sup>8</sup>  |               |                |          |
|              | Double leaf outward opening doorset <sup>9</sup>                                | 1.0 <sup>4</sup>                      | 2.93 <sup>5</sup>                     | 0.9 <sup>10</sup>                    | 2.6 <sup>11</sup>                    | 3 <sup>8</sup>  |               |                |          |
|              | Double leaf outward opening doorset with removable over panel <sup>2</sup>      | 1.2 <sup>4</sup>                      | 4.13 <sup>5</sup>                     | 0.9 <sup>10</sup>                    | 2.6 <sup>11</sup>                    | 3 <sup>8</sup>  |               |                |          |
|              | Double leaf inward opening doorset  | 1.0                                   | 2.93                                  | 0.9                                  | 2.6                                  | 3 <sup>8</sup>  |               |                |          |
|              | Double leaf inward opening doorset with removable over panel <sup>2</sup>       | 1.2                                   | 4.13                                  | 0.9                                  | 2.6                                  | 3 <sup>8</sup>  |               |                |          |
|              | Kronos SR4  | Single leaf outward opening doorset   | 1.0                                   | 2.93                                 | 0.6                                  | 1.43            |               | 4 <sup>8</sup> | 1000a/03 |
|              |   |                                       |                                       |                                      |                                      |                 |               |                |          |

# PART 4: SECTION 5.1

## SECURITY DOORSETS

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
|              | Single leaf outward opening doorset with side and/or over panels <sup>2</sup> | 1.0                                   | 4.43                                  | 0.6                                  | 2.93                                 | 4 <sup>8</sup>  |               |
|              | Single leaf inward opening doorset  | 1.0                                   | 2.93                                  | 0.6                                  | 1.43                                 | 4 <sup>8</sup>  |               |
|              | Single leaf inward opening doorset with side and/or over panels <sup>2</sup>  | 1.0                                   | 4.43                                  | 0.6                                  | 2.93                                 | 4 <sup>8</sup>  |               |
|              | Double leaf outward opening doorset   | 1.0                                   | 2.93                                  | 0.9                                  | 2.6                                  | 4 <sup>8</sup>  |               |
|              | Double leaf outward opening doorset with side and/or over panels <sup>2</sup> | 1.0                                   | 4.43                                  | 0.9                                  | 4.1                                  | 4 <sup>8</sup>  |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 694b to LPS 1175: Issue 7

### Hinged Security Doorsets

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Desray 1     | Single leaf outward opening hinged security doorset  | 1.8                                   | 2.21                                  | 0.75                                 | 1.3                                  | 1               | 694b/03       |
|              | Double leaf outward opening hinged security doorset <sup>1</sup>                             | 1.8                                   | 2.21                                  | 1.5                                  | 2.2                                  | 1               | 694b/04       |
|              | Single leaf outward opening hinged security doorset incorporating over panels <sup>2</sup>   | 2.29                                  | 3.21                                  | 0.75                                 | 1.3                                  | 1               | 694b/05       |
|              | Double leaf outward opening hinged security doorset incorporating over panels <sup>1,2</sup> | 2.29                                  | 3.21                                  | 1.5                                  | 2.2                                  | 1               | 694b/06       |
| Desray 2     | Single leaf outward opening hinged security doorset  | 1.8                                   | 2.2                                   | 0.75                                 | 1.3                                  | 2               | 694b/01       |
|              | Double leaf outward opening hinged security doorset <sup>1</sup>                             | 1.8                                   | 2.2                                   | 1.5                                  | 2.5                                  | 2               | 694b/02       |
|              | Single leaf outward opening hinged security doorset incorporating overpanels <sup>2</sup>    | 2.29                                  | 3.21                                  | 0.75                                 | 1.3                                  | 2               | 694b/07       |
|              | Double leaf outward opening hinged security doorset incorporating overpanels <sup>1,2</sup>  | 2.29                                  | 3.21                                  | 1.5                                  | 2.2                                  | 2               | 694b/08       |
| DS3          | Single leaf outward opening hinged security doorset  | 1.5                                   | 3.06                                  | 0.75                                 | 1.4                                  | 3 <sup>3</sup>  | 694b/09       |
|              | Double leaf outward opening hinged security doorset <sup>1</sup>                             | 1.5                                   | 3.06                                  | 1.5                                  | 2.51                                 | 3 <sup>3</sup>  |               |

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Certificate No: 694c to LPS 2081: Issue 1

**Hinged Glazed Security Doorsets**

| Product Name        | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|---------------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Slimline Janisol    | Single leaf inward or outward opening fully glazed thermally broken hinged security doorset  | 0.75                                  | 2.5                                   | 0.7                                  | 1.49                                 | B               | 694c/01       |
|                     | Single leaf inward or outward opening fully glazed thermally broken hinged security doorset <sup>1</sup> with a single side panel <sup>2</sup> and/or over panel         | 1.05                                  | 3.9                                   | 1.05                                 | 2.87                                 | B               |               |
|                     | Single leaf inward or outward opening fully glazed thermally broken hinged security doorset <sup>1</sup> with two side panels <sup>3</sup> with or without an over panel | 1.05                                  | 3.9                                   | 1.05                                 | 4.29                                 | B               |               |
| Slimline Economy 60 | Single leaf inward or outward opening fully glazed hinged security doorset   | 0.75                                  | 2.5                                   | 0.7                                  | 1.49                                 | B               | 694c/02       |
|                     | Single leaf inward or outward opening fully glazed hinged security doorset <sup>1</sup> with a single side panel <sup>2</sup> and/or over panel                          | 1.05                                  | 3.9                                   | 1.05                                 | 2.87                                 | B               |               |
|                     | Single leaf inward or outward opening fully glazed thermally broken hinged security doorset <sup>1</sup> with two side panels <sup>3</sup> with or without an over panel | 1.05                                  | 3.9                                   | 1.05                                 | 4.29                                 | B               |               |

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Certificate No: 1084a to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| X15          | Single leaf, outward opening hinged security doorset               | 1.354                                 | 2.540                                 | 0.522                                | 1.237                                | 3 <sup>1</sup>  | 1084a/01      |
|              | Double leaf <sup>2</sup> , outward opening hinged security doorset | 1.354                                 | 2.540                                 | 0.974                                | 2.398                                | 3 <sup>1</sup>  |               |

# PART 4: SECTION 5.1

## SECURITY DOORSETS

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 1236a to LPS 1175: Issue 7

### Hinged Security Doorsets

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| BBS 1        | Single leaf outward opening hinged security doorset | 0.6                                   | 2.5                                   | 0.6                                  | 1.245                                | 1               | 1236a/04      |
|              | Double leaf outward opening hinged security doorset | 0.6                                   | 2.54                                  | 1.45                                 | 2.495                                | 1 <sup>1</sup>  |               |
| BBS 2        | Single leaf outward opening hinged security doorset | 0.6                                   | 2.5                                   | 0.6                                  | 1.245                                | 2               | 1236a/05      |
|              | Double leaf outward opening hinged security doorset | 0.6                                   | 2.54                                  | 1.45                                 | 2.495                                | 2 <sup>1</sup>  |               |
| BBS 3        | Single leaf outward opening hinged security doorset | 1.75                                  | 3.445                                 | 0.8                                  | 1.45                                 | 3               | 1236a/01      |
|              | Double leaf outward opening hinged security doorset | 1.75                                  | 3.445                                 | 1.45                                 | 3.08                                 | 3 <sup>1</sup>  |               |
| BBS 4        | Single leaf outward opening hinged security doorset | 1.75                                  | 2.6                                   | 0.8                                  | 1.45                                 | 4               | 1236a/02      |
|              | Double leaf outward opening hinged security doorset | 1.75                                  | 2.6                                   | 1.45                                 | 2.6                                  | 4 <sup>1</sup>  |               |
| BBS 5        | Single leaf outward opening hinged security doorset | 1.75                                  | 2.6                                   | 0.8                                  | 1.45                                 | 5               | 1236a/03      |
|              | Double leaf outward opening hinged security doorset | 1.75                                  | 2.6                                   | 1.45                                 | 2.6                                  | 5 <sup>1</sup>  |               |

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Certificate No: 1135a to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating <sup>1</sup> | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|------------------------------|---------------|
| Epsilon 1    | Single leaf outward opening security doorset with side and overhead panels | 2.18                                  | 3.0                                   | 1.146                                | 1.9                                  | 1                            | 1135a/05      |
|              | Double leaf outward opening security doorset with side and overhead panels | 2.18                                  | 3.0                                   | 1.972                                | 2.6                                  | 1                            |               |
| Apeiron 2    | Single leaf outward opening security doorset                               | 2.0                                   | 2.5                                   | 0.8                                  | 1.5                                  | 2                            | 1135a/02      |
|              | Double leaf outward opening security doorset                               | 2.0                                   | 2.5                                   | 1.4                                  | 2.4                                  | 2                            |               |
| Colossus     | Single leaf outward opening security doorset                               | 2.1                                   | 2.5                                   | 0.93                                 | 1.42                                 | 2                            | 1135a/01      |
|              | Single leaf outward opening security doorset with overhead panels          | 2.4                                   | 4.4                                   | 0.93                                 | 1.42                                 | 2                            |               |
|              | Double leaf outward opening security doorset                               | 2.1                                   | 2.5                                   | 1.42                                 | 2.69 <sup>2</sup>                    | 2                            |               |
|              | Double leaf outward opening security doorset with overhead panels          | 2.4                                   | 4.4                                   | 1.42                                 | 2.4                                  | 2                            |               |
| Epsilon 2    | Single leaf outward opening security doorset with side and overhead panels | 2.18                                  | 3.0                                   | 1.146                                | 1.9                                  | 2                            | 1135a/06      |
|              | Double leaf outward opening security doorset with side and overhead panels | 2.18                                  | 3.0                                   | 1.972                                | 2.6                                  | 2                            |               |
| Apeiron 3    | Single leaf outward opening security doorset                               | 2.0                                   | 2.5                                   | 0.8                                  | 1.5                                  | 3                            | 1135a/03      |
|              | Double leaf outward opening security doorset                               | 2.0                                   | 2.5                                   | 1.4                                  | 2.4                                  | 3                            |               |
| Epsilon 3    | Single leaf outward opening security doorset with side and overhead panels | 2.18                                  | 3.0                                   | 1.146                                | 1.9                                  | 3                            | 1135a/07      |

## PART 4: SECTION 5.1

### SECURITY DOORSETS

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating <sup>1</sup> | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|------------------------------|---------------|
|              | Double leaf outward opening security doorset with side and overhead panels | 2.18                                  | 3.0                                   | 1.972                                | 2.6                                  | 3                            |               |
| Apeiron 4    | Single leaf outward opening security doorset                               | 2.0                                   | 2.5                                   | 0.8                                  | 1.5                                  | 4                            | 1135a/04      |
|              | Double leaf outward opening security doorset                               | 2.0                                   | 2.5                                   | 1.4                                  | 2.4                                  | 4                            |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Kingsley Plastics Limited

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Certificate No: 1115a to LPS 1175: Issue 7

### Hinged Security Doorsets

| Product Name   | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|----------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Heavy Duty SR2 | Single leaf outward opening hinged GRP doorset with a plain padlockable leaf                             | 0.918                                 | 3.118                                 | 0.518                                | 1.413                                | 2               | 1115a/01      |
|                | Double leaf outward opening hinged GRP doorset with plain padlockable leaves of equal sizes <sup>1</sup> | 0.918                                 | 3.118                                 | 0.922                                | 2.712                                | 2               |               |
| Heavy Duty SR3 | Single leaf outward opening hinged GRP doorset with a plain padlockable leaf                             | 0.918                                 | 3.118                                 | 0.518                                | 1.413                                | 3               | 1115a/02      |
|                | Double leaf outward opening hinged GRP doorset with plain padlockable leaves of equal sizes <sup>1</sup> | 0.918                                 | 3.118                                 | 0.922                                | 2.712                                | 3               |               |
|                | Single leaf outward opening hinged GRP doorset with a plain leaf   | 0.918                                 | 3.118                                 | 0.518                                | 1.413                                | 3               | 1115a/03      |
|                | Double leaf outward opening hinged GRP doorset with plain leaves of equal sizes                          | 0.918                                 | 3.118                                 | 0.922                                | 2.712                                | 3 <sup>2</sup>  |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Liddle Doors Limited**

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Certificate No: 442g to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| LD2          | Single leaf outward opening doorset   | 1.0                                   | 2.43                                  | 0.74                                 | 1.18                                 | 2 <sup>1</sup>  | 442g/02       |
|              | Single leaf outward opening doorset with side and/or over panels <sup>2</sup>   | 1.0                                   | 3.93                                  | 0.74                                 | 4.18                                 | 2 <sup>1</sup>  |               |
|              | Double leaf outward opening doorset <sup>3</sup>                                | 1.0                                   | 2.43                                  | 1.15                                 | 2.20                                 | 2 <sup>1</sup>  |               |
|              | Double leaf outward opening doorset with side and/or over panels <sup>2,3</sup> | 1.0                                   | 3.93                                  | 1.15                                 | 5.20                                 | 2 <sup>1</sup>  |               |
|              |   |                                       |                                       |                                      |                                      |                 |               |
| LD3          | Single leaf outward opening doorset   | 1.0 <sup>4</sup>                      | 2.93 <sup>4</sup>                     | 0.6 <sup>5</sup>                     | 1.43 <sup>5</sup>                    | 3 <sup>6</sup>  | 442g/03       |
|              | Single leaf outward opening doorset with removable over panel <sup>2</sup>      | 1.2 <sup>4</sup>                      | 4.13 <sup>4</sup>                     | 0.6 <sup>5</sup>                     | 1.43 <sup>5</sup>                    | 3 <sup>6</sup>  |               |
|              | Double leaf outward opening doorset <sup>3</sup>                                | 1.0 <sup>4</sup>                      | 2.93 <sup>4</sup>                     | 0.9 <sup>5</sup>                     | 2.6 <sup>5</sup>                     | 3 <sup>6</sup>  |               |
|              | Double leaf outward opening doorset with removable over panel <sup>2,3</sup>    | 1.2 <sup>4</sup>                      | 4.13 <sup>4</sup>                     | 0.9 <sup>5</sup>                     | 2.6 <sup>5</sup>                     | 3 <sup>6</sup>  |               |
|              |   |                                       |                                       |                                      |                                      |                 |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Lincoln Security Limited**

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Certificate No: 1147a to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Victor       | Single leaf outward opening doorset   | 1.0                                   | 2.43                                  | 0.74                                 | 1.18                                 | 2 <sup>1</sup>  | 1147a/03      |
|              | Single leaf outward opening doorset with side and/or over panels <sup>2</sup> | 1.0                                   | 3.93                                  | 0.74                                 | 4.18                                 | 2 <sup>1</sup>  |               |

# PART 4: SECTION 5.1

## SECURITY DOORSETS

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
|              | Double leaf outward opening doorset <sup>3</sup>  | 1.0                                   | 2.43                                  | 1.15                                 | 2.2                                  | 2 <sup>1</sup>  |               |
|              | Double leaf outward opening doorset with side and/or over panels <sup>2,3</sup>                   | 1.0                                   | 3.93                                  | 1.15                                 | 5.2                                  | 2 <sup>1</sup>  |               |
| Vigilant II  | Single leaf outward opening doorset   | 1.0 <sup>4</sup>                      | 2.93 <sup>5</sup>                     | 0.6 <sup>6</sup>                     | 1.43 <sup>7</sup>                    | 3 <sup>8</sup>  | 1147a/04      |
|              | Single leaf outward opening doorset with removable over panel <sup>2</sup>                        | 1.2 <sup>4</sup>                      | 4.13 <sup>5</sup>                     | 0.6 <sup>6</sup>                     | 1.43 <sup>7</sup>                    | 3 <sup>8</sup>  |               |
|              | Single leaf inward opening hinged doorset   | 1.0                                   | 2.93                                  | 0.6                                  | 1.43                                 | 3 <sup>8</sup>  |               |
|              | Single leaf inward opening hinged doorset with removable over panel <sup>2</sup>                  | 1.2                                   | 4.13                                  | 0.6                                  | 1.43                                 | 3 <sup>8</sup>  |               |
|              | Double leaf outward opening doorset <sup>9</sup>  | 1.0 <sup>4</sup>                      | 2.93 <sup>5</sup>                     | 0.9 <sup>10</sup>                    | 2.6 <sup>11</sup>                    | 3 <sup>8</sup>  |               |
|              | Double leaf outward opening doorset with removable over panel <sup>2</sup>                        | 1.2 <sup>4</sup>                      | 4.13 <sup>5</sup>                     | 0.9 <sup>10</sup>                    | 2.6 <sup>11</sup>                    | 3 <sup>8</sup>  |               |
|              | Double leaf inward opening hinged doorset   | 1.0                                   | 2.93                                  | 0.9                                  | 2.6                                  | 3 <sup>8</sup>  |               |
|              | Double leaf inward opening hinged doorset security doorset with removable over panel <sup>2</sup> | 1.2                                   | 4.13                                  | 0.9                                  | 2.6                                  | 3 <sup>8</sup>  |               |
| Vanquish II  | Single leaf outward opening hinged doorset  | 1.0                                   | 2.93                                  | 0.6                                  | 1.43                                 | 4 <sup>8</sup>  | 1147a/05      |
|              | Single leaf outward opening hinged doorset with side and/or over panels <sup>2</sup>              | 1.0                                   | 4.43                                  | 0.6                                  | 2.93                                 | 4 <sup>8</sup>  |               |
|              | Single leaf inward opening hinged doorset   | 1.0                                   | 2.93                                  | 0.6                                  | 1.43                                 | 4 <sup>8</sup>  |               |
|              | Single leaf inward opening hinged doorset with side and/or over panels <sup>2</sup>               | 1.0                                   | 4.43                                  | 0.6                                  | 2.93                                 | 4 <sup>8</sup>  |               |
|              | Double leaf outward opening hinged doorset  | 1.0                                   | 2.93                                  | 0.9                                  | 2.6                                  | 4 <sup>8</sup>  |               |
|              | Double leaf outward opening hinged doorset with side and/or over panels <sup>2</sup>              | 1.0                                   | 4.43                                  | 0.9                                  | 4.1                                  | 4 <sup>8</sup>  |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Premier Security Solutions Limited**

Unit 2, 19-21 Roebuck Road, Hainault Business Park, Hainault, Essex IG6 3TU, United Kingdom

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E-mail: sales@premier-ssl.com • Website: www.premier-ssl.com

Certificate No: 1097a to LPS 1175: Issue 7

**Hinged Glazed Security Doorsets**

| Product Name  | Type <sup>1</sup>  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|---------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Industrial 75 | Single leaf outward opening glazed doorset                               | 0.5                                   | 3.0                                   | 0.5                                  | 1.7                                  | 2               | 1097a/02      |
|               | Single leaf inward opening glazed doorset                                | 0.5                                   | 3.0                                   | 0.5                                  | 1.7                                  | 2               |               |
|               | Double leaf outward opening glazed doorset <sup>2</sup>                  | 0.5                                   | 2.35                                  | 0.7                                  | 3.3                                  | 2               |               |
|               | Double leaf inward opening glazed doorset <sup>2</sup>                   | 0.5                                   | 2.35                                  | 0.7                                  | 3.3                                  | 2               |               |
| SBD2          | Single leaf outward opening glazed doorset                               | 1.2                                   | 2.067                                 | 0.52                                 | 1.22                                 | 2               | 1097a/01      |
|               | Single leaf outward opening glazed doorset with side panels              | 1.2                                   | 2.067                                 | 0.82                                 | 6.0                                  | 2               |               |
|               | Single leaf outward opening glazed doorset with overhead panels          | 1.35 <sup>3</sup>                     | 6.0                                   | 0.52                                 | 1.22                                 | 2               |               |
|               | Single leaf outward opening glazed doorset with side and overhead panels | 1.35 <sup>3</sup>                     | 6.0                                   | 0.82                                 | 6.0                                  | 2               |               |
|               | Single leaf inward opening glazed doorset                                | 1.2                                   | 2.067                                 | 0.52                                 | 1.22                                 | 2               |               |
|               | Single leaf inward opening glazed doorset with side panels               | 1.2                                   | 2.067                                 | 0.82                                 | 6.0                                  | 2               |               |
|               | Single leaf inward opening glazed doorset with overhead panels           | 1.35 <sup>3</sup>                     | 6.0                                   | 0.52                                 | 1.22                                 | 2               |               |
|               | Single leaf inward opening glazed doorset with side and overhead panels  | 1.35 <sup>3</sup>                     | 6.0                                   | 0.82                                 | 6.0                                  | 2               |               |

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## **PART 4: SECTION 5.1**

### **SECURITY DOORSETS**

#### **PSF Wales Limited**

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Certificate No: 953d to LPS 1175: Issue 7

#### **Hinged Security Doorsets**

| <b>Product Name</b>  | <b>Type</b>  | <b>Minimum Structural Opening Height (m)</b> | <b>Maximum Structural Opening Height (m)</b> | <b>Minimum Structural Opening Width (m)</b> | <b>Maximum Structural Opening Width (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|----------------------|--|--|--|---|---|------------------------|----------------------|
| Hercules SAF 2       | Single leaf, outward opening hinged security doorset   | 0.8  | 2.9  | 0.48  | 1.45  | 2 <sup>1</sup>         | 953d/01              |
|                      | Double leaf, outward opening hinged security doorset   | 0.8  | 2.9  | 0.7   | 2.6   | 2 <sup>1</sup>         |                      |
| Hercules Lite SR2    | Single leaf outward opening hinged security doorset  | 0.6  | 2.5  | 0.6   | 1.3   | 2                      | 953d/06              |
|                      | Single leaf outward opening hinged security doorset with over panels   | 1.1  | 4.0  | 0.6   | 1.3   | 2                      |                      |
|                      | Double leaf outward opening hinged security doorset  | 0.6  | 2.5  | 1.2   | 2.5   | 2                      |                      |
|                      | Double leaf outward opening hinged security doorset with over panels   | 1.1  | 4.0  | 1.2   | 2.5   | 2                      |                      |
| Hercules Lite SR3    | Single leaf outward opening hinged security doorset  | 0.6  | 2.5  | 0.6   | 1.3   | 3                      | 953d/07              |
|                      | Single leaf outward opening hinged security doorset with over panels   | 1.1  | 4.0  | 0.6   | 1.3   | 3                      |                      |
|                      | Double leaf outward opening hinged security doorset  | 0.6  | 2.5  | 1.2   | 2.5   | 3                      |                      |
|                      | Double leaf outward opening hinged security doorset with over panels   | 1.1  | 4.0  | 1.2   | 2.5   | 3                      |                      |
| MK.II Hercules SAF 3 | Single leaf, outward opening hinged security doorset fitted with single point locking hardware                   | 0.6 <sup>2</sup>                             | 2.92 <sup>2</sup>                            | 0.688                                       | 1.508                                       | 3                      | 953d/02              |
|                      | Single leaf, outward opening hinged security doorset fitted with multi-point locking hardware                    | 1.11 <sup>2</sup>                            | 2.92 <sup>2,3</sup>                          | 0.688                                       | 1.508                                       | 3                      |                      |
|                      | Double leaf, outward opening hinged security doorset fitted with single point locking hardware                   | 0.6 <sup>2</sup>                             | 2.92 <sup>2</sup>                            | 1.288                                       | 2.858                                       | 3                      |                      |
|                      | Double leaf, outward opening hinged security doorset fitted with multi-point locking hardware on the active leaf | 1.11 <sup>2</sup>                            | 2.92 <sup>2,3</sup>                          | 1.288                                       | 2.858 <sup>4</sup>                          | 3                      |                      |
|                      | Double leaf, outward opening hinged security doorset fitted with multi-point locking hardware on the active leaf | 1.11 <sup>2</sup>                            | 2.92 <sup>2,3</sup>                          | 1.288                                       | 2.858 <sup>4</sup>                          | 3                      |                      |
| MK.II Hercules SAF 4 | Single leaf, outward opening hinged security doorset fitted with single point locking hardware                   | 0.6 <sup>2</sup>                             | 2.92 <sup>2</sup>                            | 0.688                                       | 1.508                                       | 4                      | 953d/03              |



**PART 4: SECTION 5.1****SECURITY DOORSETS**

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
|              | Single leaf, outward opening hinged security doorset fitted with multi-point locking hardware                     | 1.11 <sup>2</sup>                     | 2.92 <sup>2,5</sup>                   | 0.688                                | 1.508 <sup>5</sup>                   | 4               |               |
|              | Double leaf, outward opening hinged security doorset fitted with single point locking hardware on the active leaf | 0.6 <sup>2</sup>                      | 2.92 <sup>2</sup>                     | 1.288                                | 2.858                                | 4               |               |
|              | Double leaf, outward opening hinged security doorset fitted with multi-point locking hardware on the active leaf  | 1.11 <sup>2</sup>                     | 2.92 <sup>2,6</sup>                   | 1.288                                | 2.858 <sup>6</sup>                   | 4               |               |
| Taurus SAF 3 | Single leaf outward opening padlockable hinged security doorset   | 0.6 <sup>2</sup>                      | 2.92 <sup>2</sup>                     | 0.688                                | 1.508                                | 3               | 953d/04       |
|              | Double leaf outward opening padlockable hinged security doorset   | 0.6 <sup>2</sup>                      | 2.92 <sup>2</sup>                     | 1.288                                | 2.858                                | 3               |               |
| Taurus SAF 4 | Single leaf outward opening padlockable hinged security doorset   | 0.6 <sup>2</sup>                      | 2.92 <sup>2</sup>                     | 0.688                                | 1.508                                | 4               | 953d/05       |
|              | Double leaf outward opening padlockable hinged security doorset   | 0.6 <sup>2</sup>                      | 2.92 <sup>2</sup>                     | 1.288                                | 2.858                                | 4               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 953k to LPS 1175: Issue 7

***Hinged Louvred Security Doorsets***

| Product Name         | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating <sup>1</sup> | LPCB Ref. No. |
|----------------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|------------------------------|---------------|
| Herculouvre Door SR2 | Single leaf outward opening hinged louvred doorset              | 1.06                                  | 3.0                                   | 0.6                                  | 1.55                                 | 2                            | 953k/01       |
|                      | Double leaf outward opening hinged louvred doorset <sup>2</sup> | 1.06                                  | 3.0                                   | 1.2                                  | 3.0                                  | 2                            |               |
| Herculouvre Door SR3 | Single leaf outward opening hinged louvred doorset              | 1.06                                  | 3.0                                   | 0.6                                  | 1.55                                 | 3                            | 953k/02       |
|                      | Double leaf outward opening hinged louvred doorset <sup>2</sup> | 1.06                                  | 3.0                                   | 1.2                                  | 3.0                                  | 3                            |               |

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## **PART 4: SECTION 5.1**

### **SECURITY DOORSETS**

#### **R & D Sheetmetal Limited**

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Certificate No: 1034b to LPS 1175: Issue 7

#### **Hinged Security Doorsets**

| <b>Product Name</b> | <b>Type</b>  | <b>Minimum Structural Opening Height (m)</b> | <b>Maximum Structural Opening Height (m)</b> | <b>Minimum Structural Opening Width (m)</b> | <b>Maximum Structural Opening Width (m)</b> | <b>Security Rating<sup>1</sup></b> | <b>LPCB Ref. No.</b> |
|---------------------|--|--|--|---|---|------------------------------------|----------------------|
| Security Evo III    | Single leaf outward opening hinged security doorset              | 1.8  | 2.75   | 0.8   | 1.4   | 3                                  | 1034b/04             |
|                     | Double leaf outward opening hinged security doorset <sup>2</sup> | 1.8  | 2.75   | 1.4   | 2.785                                       | 3                                  |                      |
| Security Evo IV     | Single leaf outward opening hinged security doorset              | 1.8  | 2.75   | 0.8   | 1.4   | 4                                  | 1034b/01             |
|                     | Double leaf outward opening hinged security doorset <sup>2</sup> | 1.8  | 2.75   | 1.4   | 2.785                                       | 4                                  |                      |
| Security Evo V      | Single leaf outward opening hinged security doorset              | 1.8  | 2.53   | 0.8   | 1.4   | 5                                  | 1034b/02             |
|                     | Double leaf outward opening hinged security doorset <sup>2</sup> | 1.8  | 2.53   | 1.4   | 2.785                                       | 5                                  |                      |
| Security Evo VI     | Single leaf outward opening hinged security doorset              | 1.8  | 2.53   | 0.8   | 1.4   | 6                                  | 1034b/03             |
|                     | Double leaf outward opening hinged security doorset <sup>2</sup> | 1.8  | 2.53   | 1.4   | 2.785                                       | 6                                  |                      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### **Robust UK Limited**

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Certificate No: 1070a to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| TUFF-DOR2    | Single leaf outward opening hinged security doorset                  | 1.5                                   | 2.6 <sup>1</sup>                      | 0.5                                  | 1.25                                 | 2               | 1070a/01      |
|              | Double leaf outward opening hinged security doorset                  | 1.5                                   | 2.6 <sup>1</sup>                      | 1.3                                  | 2.5                                  | 2               |               |
| TUFF-DOR3    | Single leaf outward opening hinged security doorset                  | 1.8                                   | 2.5                                   | 0.7                                  | 1.3                                  | 3               | 1070a/02      |
|              | Double leaf hinged security doorset with unequal leaves <sup>2</sup> | 1.8                                   | 2.5                                   | 1.3                                  | 1.8                                  | 3               |               |
|              | Double leaf hinged security doorset with equal leaves                | 1.8                                   | 2.5                                   | 1.3                                  | 2.5                                  | 3               |               |
|              | Single leaf outward opening hinged security doorset                  | 1.8                                   | 2.5 <sup>3</sup>                      | 0.7                                  | 1.3                                  | 4               |               |
| TUFF-DOR4    | Double leaf hinged security doorset with unequal leaves <sup>2</sup> | 1.8                                   | 2.5 <sup>3</sup>                      | 1.3                                  | 1.8                                  | 4               | 1070a/03      |
|              | Double leaf hinged security doorset with equal leaves                | 1.8                                   | 2.5 <sup>3</sup>                      | 1.3                                  | 2.5                                  | 4               |               |
|              | Single leaf outward opening hinged security doorset                  | 1.8                                   | 2.5 <sup>3</sup>                      | 0.7                                  | 1.3                                  | 4               |               |
|              | Double leaf hinged security doorset with equal leaves                | 1.8                                   | 2.5 <sup>3</sup>                      | 1.3                                  | 2.5                                  | 4               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Safe Partnership**

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E-mail: [safe@safepartnership.org](mailto:safe@safepartnership.org) • Website: [www.safepartnership.co.uk](http://www.safepartnership.co.uk)

Certificate No: 835a to LPS 1175: Issue 6

**Hinged Security Doorsets**

| Product Name     | Type   | Minimum Clear Opening Height (m) | Maximum Clear Opening Height (m) | Minimum Clear Opening Width (m) | Maximum Clear Opening Width (m) | Security Rating | LPCB Ref. No. |
|------------------|--|----------------------------------|----------------------------------|---------------------------------|---------------------------------|-----------------|---------------|
| Safe Doorset SR1 | Single leaf outward opening hinged security timber doorset | 1.8                              | 2                                | 0.675                           | 0.825                           | 1               | 835a/01       |
| Safe Doorset SR2 | Single leaf outward opening hinged security timber doorset | 1.8                              | 2                                | 0.675                           | 0.825                           | 2 <sup>1</sup>  | 835a/02       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

# PART 4: SECTION 5.1

## SECURITY DOORSETS

### Stafford Bridge Doors Limited

Bedford Road, Pavenham, Bedford MK43 7PS, United Kingdom

Tel: +44 (0)1234 826316 • Fax: +44 (0)1234 826319

E-mail: sales@sbdoors.com • Website: www.surelockmcgillgroup.com/sbd

Certificate No: 516c to LPS 1175: Issue 7

### Hinged Security Doorsets

| Product Name | Type <sup>1</sup>                   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) <sup>2</sup> | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating <sup>3</sup> | LPCB Ref. No. |
|--------------|-------------------------------------|---------------------------------------|--|--------------------------------------|--------------------------------------|------------------------------|---------------|
| Hendon       | Single leaf inward opening doorset  | 1.0                                   | 3.2 <sup>4</sup>                                   | 0.6                                  | 1.4                                  | 2                            | 516c/01       |
|              | Single leaf outward opening doorset | 1.0                                   | 3.2  | 0.6                                  | 1.4                                  | 2                            |               |
|              | Double leaf inward opening doorset  | 1.0                                   | 3.2  | 1.4                                  | 3.0                                  | 2                            |               |
|              | Double leaf outward opening doorset | 1.0                                   | 3.2 <sup>5</sup>                                   | 1.4                                  | 3.0                                  | 2                            |               |
| Sandhurst    | Single leaf inward opening doorset  | 1.0                                   | 3.2 <sup>6</sup>                                   | 0.6                                  | 1.4                                  | 3                            | 516c/02       |
|              | Single leaf outward opening doorset | 1.0                                   | 3.2  | 0.6                                  | 1.4                                  | 3                            |               |
|              | Double leaf inward opening doorset  | 1.0                                   | 3.2 <sup>7</sup>                                   | 1.4                                  | 3.0                                  | 3                            |               |
|              | Double leaf outward opening doorset | 1.0                                   | 3.2  | 1.4                                  | 3.0                                  | 3                            |               |
| Wilton       | Single leaf inward opening doorset  | 1.468                                 | 3.2  | 0.6                                  | 1.4                                  | 4                            | 516c/03       |
|              | Single leaf outward opening doorset | 1.0                                   | 3.2  | 0.6                                  | 1.4                                  | 4                            |               |
|              | Double leaf inward opening doorset  | 1.468                                 | 3.2  | 1.2                                  | 3.0                                  | 4                            |               |
| Halton       | Single leaf inward opening doorset  | 1.468                                 | 3.2  | 0.6                                  | 1.4                                  | 4                            | 516c/04       |
|              | Single leaf outward opening doorset | 1.0                                   | 3.2  | 0.6                                  | 1.4                                  | 4                            |               |
|              | Double leaf inward opening doorset  | 1.468                                 | 3.2  | 1.2                                  | 3.0                                  | 4                            |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Certificate No: 516a to LPS 1175: Issue 5**

### **Hinged Security Doorsets**

| Product Name | Type <sup>1</sup>                                    | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) <sup>2</sup> | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating <sup>3</sup> | LPCB Ref. No. |
|--------------|--|---------------------------------------|--|--------------------------------------|--------------------------------------|------------------------------|---------------|
| Wilton       | Double leaf, outward opening hinged security doorset | 1.9                                   | 3.2  | 1.4                                  | 3.0                                  | 4                            | 516a/06       |
| Halton       | Double leaf, outward opening hinged security doorset | 1.9                                   | 3.2  | 1.4                                  | 3.0                                  | 4                            | 516a/07       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### **Steelway Fensecure Limited**

Queensgate Works, Bilston Road, Wolverhampton, West Midlands WV2 2NJ, United Kingdom

Tel: +44 (0)121 521 4521 • Fax: +44 (0)121 521 4551

E-mail: [sales@steelwaybrickhouse.co.uk](mailto:sales@steelwaybrickhouse.co.uk) • Website: [www.steelway.co.uk](http://www.steelway.co.uk)

**Certificate No: 1071d to LPS 1175: Issue 7**

### **Hinged Security Doorsets**

| Product Name                                  | Type   | Minimum Structural Height (m) | Maximum Structural Height (m) | Minimum Structural Width (m) | Maximum Structural Width (m) | Security Rating | LPCB Ref. No. |
|---|--|-------------------------------|-------------------------------|------------------------------|------------------------------|-----------------|---------------|
| Steelway Level 4 Single Leaf Security Doorset | Single leaf outward opening plain leaf doorset | 1.0                           | 2.4                           | 0.6                          | 1.3                          | 4               | 1071d/01      |
| Steelway Level 4 Double Leaf Security Doorset | Double leaf outward opening plain leaf doorset | 1.0                           | 2.4                           | 1.2                          | 2.6                          | 4               | 1071d/02      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Certificate No: 1071a to LPS 1175: Issue 7**

### **Hinged Mesh Panel Security Doorsets**

| Product Name                                       | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Steelway Level 1 Single Leaf Mesh Security Doorset | Single leaf outward opening mesh panel doorset | 1.0                                   | 2.4                                   | 0.6                                  | 1.3                                  | 1               | 1071a/01      |
| Steelway Level 1 Double Leaf Mesh Security Doorset | Double leaf outward opening mesh panel doorset | 1.0                                   | 2.4                                   | 1.2                                  | 2.6                                  | 1               | 1071a/02      |
| Steelway Level 2 Single Leaf Mesh Security Doorset | Single leaf outward opening mesh panel doorset | 1.0                                   | 2.4                                   | 0.6                                  | 1.3                                  | 2               | 1071a/03      |

## PART 4: SECTION 5.1

### SECURITY DOORSETS

| Product Name                                       | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Steelway Level 2 Double Leaf Mesh Security Doorset | Double leaf outward opening mesh panel doorset | 1.0                                   | 2.4                                   | 1.2                                  | 2.6                                  | 2               | 1071a/04      |
| Steelway Level 3 Single Leaf Mesh Security Doorset | Single leaf outward opening mesh panel doorset | 1.0                                   | 2.4                                   | 0.6                                  | 1.3                                  | 3               | 1071a/05      |
| Steelway Level 3 Double Leaf Mesh Security Doorset | Double leaf outward opening mesh panel doorset | 1.0                                   | 2.4                                   | 1.2                                  | 2.6                                  | 3               | 1071a/06      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Sunray Engineering Limited

Kingsnorth Industrial Estate, Wotton Road, Ashford, Kent TN23 6LL, United Kingdom

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E-mail: [sales@sunraydoors.co.uk](mailto:sales@sunraydoors.co.uk) • Website: [www.sunraydoors.co.uk](http://www.sunraydoors.co.uk)

Certificate No: 234d: Part 1 to LPS 1175: Issue 7

#### Hinged Security Doorsets

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| ExecDoor 1   | Single leaf outward opening hinged security doorset  | 1.8                                   | 2.21                                  | 0.75                                 | 1.3                                  | 1               | 234d/17       |
|              | Single leaf outward opening hinged security doorset incorporating over panels <sup>1</sup>   | 2.29                                  | 3.21                                  | 0.75                                 | 1.3                                  | 1               |               |
|              | Double leaf outward opening hinged security doorset <sup>2</sup>                             | 1.8                                   | 2.21                                  | 1.5                                  | 2.2                                  | 1               |               |
|              | Double leaf outward opening hinged security doorset incorporating over panels <sup>1,2</sup> | 2.29                                  | 3.21                                  | 1.5                                  | 2.2                                  | 1               |               |
|              |  |                                       |                                       |                                      |                                      |                 |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 234d: Part 2 to LPS 1175: Issue 7

#### Hinged Security Doorsets

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| ExecDoor 2   | Single leaf outward opening hinged security doorset | 1.8                                   | 2.2                                   | 0.75                                 | 1.3                                  | 2               | 234d/03       |

**PART 4: SECTION 5.1****SECURITY DOORSETS**

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
|              | Single leaf outward opening hinged security doorset incorporating overpanels <sup>1</sup>   | 2.29                                  | 3.21                                  | 0.75                                 | 1.3                                  | 2               |               |
|              | Double leaf outward opening hinged security doorset <sup>2</sup>                            | 1.8                                   | 2.2                                   | 1.5                                  | 2.5                                  | 2               |               |
|              | Double leaf outward opening hinged security doorset incorporating overpanels <sup>1,2</sup> | 2.29                                  | 3.21                                  | 1.5                                  | 2.2                                  | 2               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 234d: Part 3 to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name         | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|----------------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| ExcluDoor 3 Mk2      | Single leaf outward opening hinged security doorset              | 1.8                                   | 3.075 <sup>1</sup>                    | 0.75                                 | 1.24                                 | 3               | 234d/01       |
|                      | Single leaf inward opening hinged security doorset               | 1.8                                   | 3.075 <sup>1</sup>                    | 0.75                                 | 1.24                                 | 3               |               |
|                      | Double leaf outward opening hinged security doorset <sup>2</sup> | 1.8                                   | 3.075 <sup>1</sup>                    | 1.24                                 | 2.4                                  | 3               |               |
|                      | Double leaf inward opening hinged security doorset <sup>2</sup>  | 1.8                                   | 3.075                                 | 1.24                                 | 2.4                                  | 3               |               |
| ExcluDoor 3 Mk3 F.R. | Single leaf outward opening hinged security doorset              | 1.8                                   | 2.75 <sup>3</sup>                     | 0.75                                 | 1.24                                 | 3               | 234d/13       |
|                      | Double leaf outward opening hinged security doorset <sup>4</sup> | 1.8                                   | 2.75 <sup>3</sup>                     | 1.24                                 | 2.4                                  | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 234d: Part 4 to LPS 1175: Issue 7

**Hinged Security Doorsets**

| Product Name    | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|-----------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| ExcluDoor 4 Mk2 | Single leaf outward opening hinged security doorset | 1.0 <sup>1</sup>                      | 3.075 <sup>2</sup>                    | 0.75                                 | 1.24                                 | 4 <sup>3</sup>  | 234d/05       |

## **PART 4: SECTION 5.1**

### **SECURITY DOORSETS**

| <b>Product Name</b>  | <b>Type</b>  | <b>Minimum Structural Opening Height (m)</b> | <b>Maximum Structural Opening Height (m)</b> | <b>Minimum Structural Opening Width (m)</b> | <b>Maximum Structural Opening Width (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|----------------------|--|--|--|---|---|------------------------|----------------------|
| ExcluDoor 4 Mk2 F.R. | Single leaf inward opening hinged security doorset               | 1.8  | 3.075  | 0.75  | 1.24  | 4                      |                      |
|                      | Double leaf outward opening hinged security doorset <sup>4</sup> | 1.8  | 3.075 <sup>2</sup>                           | 1.24  | 2.4   | 4 <sup>3</sup>         |                      |
|                      | Double leaf inward opening hinged security doorset <sup>4</sup>  | 1.8  | 3.075  | 1.24  | 2.4   | 4 <sup>3</sup>         |                      |
|                      | Single leaf outward opening hinged security doorset              | 1.8  | 2.75 <sup>5</sup>                            | 0.75  | 1.24  | 4 <sup>3</sup>         | 234d/07              |
|                      | Double leaf outward opening hinged security doorset <sup>4</sup> | 1.8  | 2.75 <sup>5</sup>                            | 1.24  | 2.4   | 4 <sup>3</sup>         |                      |
| ExcluDoor 4 Mk3      | Single leaf outward opening hinged security doorset              | 1.8  | 2.4  | 0.75  | 1.24  | 4 <sup>6</sup>         | 234d/11              |
|                      | Double leaf outward opening hinged security doorset              | 1.8  | 2.4  | 1.24  | 2.4   | 4 <sup>6</sup>         |                      |
|                      | Double leaf outward opening hinged security doorset <sup>7</sup> |  |  |   |   |                        |                      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Certificate No: 234d: Part 5 to LPS 1175: Issue 7**

#### ***Hinged Security Doorsets***

| <b>Product Name</b> | <b>Type</b>  | <b>Minimum Structural Opening Height (m)</b> | <b>Maximum Structural Opening Height (m)</b> | <b>Minimum Structural Opening Width (m)</b> | <b>Maximum Structural Opening Width (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|---------------------|--|--|--|---|---|------------------------|----------------------|
| ExcluDoor 5         | Single leaf outward opening hinged security doorset                | 1.8  | 2.4  | 0.75  | 1.24  | 5                      | 234d/09              |
|                     | Double leaf outward opening hinged security doorset <sup>1,2</sup> | 1.8  | 2.4  | 1.24  | 2.4   | 5                      |                      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Certificate No: 234d: Part 6 to LPS 1175: Issue 7**

#### ***Hinged Security Doorsets***

| <b>Product Name</b> | <b>Type</b>   | <b>Minimum Structural Opening Height (m)</b> | <b>Maximum Structural Opening Height (m)</b> | <b>Minimum Structural Opening Width (m)</b> | <b>Maximum Structural Opening Width (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|---------------------|---|--|--|---|---|------------------------|----------------------|
| ExcluDoor 6         | Single leaf outward opening hinged security doorset | 1.8  | 2.4  | 0.75  | 1.24  | 6                      | 234d/15              |



**PART 4: SECTION 5.1****SECURITY DOORSETS**

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
|              | Double leaf outward opening hinged security doorset <sup>1</sup> | 1.8                                   | 2.4                                   | 1.24                                 | 2.4                                  | 6               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Certificate No: 234f to LPS 1175: Issue 7**

**Hinged Louvred Security Doorsets**

| Product Name            | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Minimum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|-------------------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| ExcluLouvre® Door 2     | Single leaf outward opening hinged louvred doorset              | 1.0                                   | 2.7 <sup>2</sup>                      | 0.43                                 | 1.5                                  | 2               | 234f/02       |
|                         | Double leaf outward opening hinged louvred doorset <sup>1</sup> | 1.0                                   | 2.7 <sup>2</sup>                      | 0.73                                 | 2.4                                  | 2               |               |
| ExcluLouvre® Door 2 Mk3 | Single leaf outward opening hinged louvred doorset              | 1.0                                   | 2.4                                   | 0.43                                 | 1.5                                  | 2               | 234f/03       |
|                         | Double leaf outward opening hinged louvred doorset <sup>1</sup> | 1.0                                   | 2.4                                   | 0.73                                 | 2.4                                  | 2               |               |
| ExcluLouvre® Door 3     | Single leaf outward opening hinged louvred doorset              | 1.0                                   | 2.4                                   | 0.43                                 | 1.5                                  | 3               | 234f/01       |
|                         | Double leaf outward opening hinged louvred doorset <sup>1</sup> | 1.0                                   | 2.4                                   | 0.73                                 | 2.4                                  | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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**Certificate No: 450j to LPS 1175: Issue 7**

# PART 4: SECTION 5.1

## SECURITY DOORSETS

### Hinged Mesh Panel Security Doorsets

| Product Name         | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|----------------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Ultrasecure SCD1/DV3 | Single leaf outward opening mesh panel doorset | 1.0                                   | 3.0                                   | 0.5                                  | 1.2                                  | 3               | 450j/01       |
| Ultrasecure SCD2/DV3 | Double leaf outward opening mesh panel doorset | 1.0                                   | 3.0                                   | 1.2                                  | 3.0                                  | 3               | 450j/02       |
| Ultrasecure SCD1/DV4 | leaf outward opening mesh panel doorset        | 1.2                                   | 3.0                                   | 0.6                                  | 1.5                                  | 4               | 450j/03       |
| Ultrasecure SCD2/DV4 | Double leaf outward opening mesh panel doorset | 1.2                                   | 3.0                                   | 1.5                                  | 3.0                                  | 4               | 450j/04       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 450f to LPS 1175: Issue 7

### Hinged Security Doorsets

| Product Name         | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|----------------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Sentinel Lite 2      | Single leaf outward opening hinged security doorset              | 1.3                                   | 2.41                                  | 0.5                                  | 1.2                                  | 2               | 450f/13       |
|                      | Double leaf outward opening hinged security doorset              | 1.3                                   | 2.41                                  | 1.2                                  | 2.3                                  | 2               | 450f/14       |
|                      | Single leaf outward opening padlockable hinged security doorset  | 1.3                                   | 2.41                                  | 0.5                                  | 1.2                                  | 2               | 450f/15       |
|                      | Double leaf outward opening padlockable hinged security doorset  | 1.3                                   | 2.41                                  | 1.2                                  | 2.3                                  | 2               | 450f/16       |
| Sentinel Lite 3      | Single leaf outward opening hinged security doorset              | 1.3                                   | 2.41                                  | 0.5                                  | 1.2                                  | 3               | 450f/17       |
|                      | Double leaf outward opening hinged security doorset              | 1.3                                   | 2.41                                  | 1.2                                  | 2.3                                  | 3               | 450f/18       |
|                      | Single leaf outward opening padlockable hinged security doorset  | 1.3                                   | 2.41                                  | 0.5                                  | 1.2                                  | 3               | 450f/19       |
|                      | Double leaf outward opening padlockable hinged security doorset  | 1.3                                   | 2.41                                  | 1.2                                  | 2.3                                  | 3               | 450f/20       |
| Sentinel UltraSecure | Single leaf outward opening hinged security doorset              | 1.8                                   | 2.35                                  | 0.75                                 | 1.2                                  | 3               | 450f/01       |
|                      | Single leaf outward opening hinged security doorset              | 1.21                                  | 2.35                                  | 0.75                                 | 1.2                                  | 3               | 450f/07       |
|                      | Double <sup>1</sup> leaf outward opening hinged security doorset | 1.8                                   | 2.35                                  | 1.2                                  | 2.185                                | 3 <sup>2</sup>  | 450f/02       |
|                      | Double <sup>1</sup> leaf outward opening hinged security doorset | 1.21                                  | 2.35                                  | 1.2                                  | 2.35                                 | 3 <sup>2</sup>  | 450f/08       |
| DS1                  | Single leaf outward opening padlockable hinged security doorset  | 1.21                                  | 2.42                                  | 0.515                                | 1.215                                | 4               | 450f/11       |
| DS2                  | Double leaf outward opening padlockable hinged security doorset  | 1.21                                  | 2.42                                  | 1.215                                | 2.315                                | 4 <sup>5</sup>  | 450f/12       |
| Sentinel UltraSecure | Single leaf outward opening hinged security doorset              | 1.8                                   | 2.35                                  | 0.75                                 | 1.2                                  | 4               | 450f/03       |
|                      | Single leaf outward opening hinged security doorset              | 1.21                                  | 2.35                                  | 0.75                                 | 1.2                                  | 4               | 450f/09       |

**PART 4: SECTION 5.1****SECURITY DOORSETS**

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
|              | Double <sup>1</sup> leaf outward opening hinged security doorset | 1.8                                   | 2.35                                  | 1.2                                  | 2.185                                | 4               | 450f/04       |
|              | Double <sup>1</sup> leaf outward opening hinged security doorset | 1.21                                  | 2.35                                  | 1.2                                  | 2.35                                 | 4               | 450f/10       |
|              | Single leaf outward opening hinged security doorset              | 1.8                                   | 2.35                                  | 0.75                                 | 1.2                                  | 5               | 450f/05       |
|              | Double <sup>1</sup> leaf outward opening hinged security doorset | 1.8                                   | 2.35                                  | 1.2                                  | 2.3                                  | 5               | 450f/06       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Certificate No: 450a to LPS 1175: Issue 5**

**Hinged Security Doorsets**

| Product Name        | Type  | Minimum Clear Opening Height (m) | Maximum Clear Opening Height (m) | Minimum Clear Opening Width (m) | Maximum Clear Opening Width (m) | Security Rating | LPCB Ref. No. |
|---------------------|---|----------------------------------|----------------------------------|---------------------------------|---------------------------------|-----------------|---------------|
| UltraSecure DS1/DV4 | Single leaf hinged outward opening security doorset | 0.9                              | 2.9                              | 0.5                             | 1.3                             | 4               | 450a/03       |
| UltraSecure DS2/DV4 | Double leaf hinged outward opening security doorset | 0.9                              | 2.9                              | 1.2                             | 2.6                             | 4               | 450a/08       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Certificate No: 450d to LPS 1175: Issue 5**

**Hinged Security Doorsets**

| Product Name         | Type  | Minimum Clear Opening Height (m) | Maximum Clear Opening Height (m) | Maximum Clear Opening Width (m) | Maximum Clear Opening Width (m) | Security Rating | LPCB Ref. No. |
|----------------------|---|----------------------------------|----------------------------------|---------------------------------|---------------------------------|-----------------|---------------|
| Ultra Secure DS1/DV3 | Single leaf hinged outward opening security doorset | 0.9                              | 2.9                              | 0.5                             | 1.3                             | 3               | 450d/01       |
| Ultra Secure DS1/LS3 | Single leaf hinged outward opening security doorset | 0.9                              | 2.3                              | 0.5                             | 1.1                             | 3               | 450d/02       |
| Ultra Secure DS2/DV3 | Double leaf hinged outward opening security doorset | 0.9                              | 2.9                              | 1.2                             | 2.6                             | 3               | 450d/03       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## PART 4: SECTION 5.1

### SECURITY DOORSETS

#### The Parkside Group Limited

Unit 5, The Willow Centre, 17 Willow Lane, Mitcham, Surrey CR4 4NX, United Kingdom

Tel: +44 (0)20 8685 9685 • Fax: +44 (0)20 8646 5096

E-mail: [info@parksidegroup.co.uk](mailto:info@parksidegroup.co.uk) • Website: [www.comar-alu.co.uk](http://www.comar-alu.co.uk)

Certificate No: 1117a to LPS 1175: Issue 7 and BS EN 1627: 2011

#### Hinged Glazed Security Doorset

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | LPS 1175: Issue 7 Security Rating | BS EN 1627 Resistance Class <sup>1</sup> | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------------------------|--|---------------|
| Comar 7      | Single leaf bidirectional glazed aluminium doorset with anti-finger trap hinges and two deadlocks on the leading edge <sup>2</sup> | 1.8                                   | 2.37                                  | 0.64                                 | 1.25                                 | 2                                 | 3  | 1117a/01      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 1117b to BS EN 1627:2011

#### Hinged Glazed Security Doorset

| Product Name                                | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | EN 1627 Resistance Class <sup>1</sup> | LPCB Ref. No. |
|---|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|---------------|
| Comar 7PI Commercial Door (Security Option) | Single leaf bidirectional glazed aluminium doorset with anti-finger trap hinge and two deadlocks on the leading edge <sup>2</sup> | 1.8                                   | 2.37                                  | 0.64                                 | 1.25                                 | 3                                     | 1117b/01      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### Tortero & Re S.p.A.

Via Cornareto 180, 17017 Cosseria (SV), Italy

Tel: +39 019 516901 • Fax: +39 019 517097

E-mail: [info@torteroe.it](mailto:info@torteroe.it) • Website: [www.torteroe.it](http://www.torteroe.it)

Certificate No: 1056a to LPS 1175: Issue 7

#### Hinged Security Doorsets

| Product Name  | Type  | Minimum Nominal Structural Opening Height (m) | Maximum Nominal Structural Opening Height (m) | Minimum Nominal Structural Opening Width (m) | Maximum Nominal Structural Opening Width (m) | Security Rating <sup>1</sup> | LPCB Ref. No. |
|---------------|---|---|---|--|--|------------------------------|---------------|
| Protection 30 | Single leaf, outward and inward opening hinged security doorset | 1.95  | 2.47  | 0.6  | 1.0  | 2                            | 1056a/01      |

## PART 4: SECTION 5.1

### SECURITY DOORSETS

| Product Name  | Type  | Minimum Nominal Structural Opening Height (m) | Maximum Nominal Structural Opening Height (m) | Minimum Nominal Structural Opening Width (m) | Maximum Nominal Structural Opening Width (m) | Security Rating <sup>1</sup> | LPCB Ref. No. |
|---------------|---|---|---|--|--|------------------------------|---------------|
| Protection 60 | Single leaf, outward and inward opening hinged security doorset | 1.95  | 2.47  | 0.6  | 1.0  | 2                            | 1056a/02      |
| Confort UK    | Single leaf inward opening hinged security doorset              | 1.95  | 2.47  | 0.6  | 1.0  | 2                            | 1056a/03      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Total Flood Solutions

Unit 12, Llanelli Gate, Dafen, Llanelli SA14 8LQ, United Kingdom

Tel: +44 (0)845 456 7175 • Fax: +44 (0)1554 759 866

E-mail: [info@totalfloodsolutions.com](mailto:info@totalfloodsolutions.com) • Website: [www.totalfloodsolutions.com](http://www.totalfloodsolutions.com)

Certificate No: 1177a to LPS 1175: Issue 7

#### Hinged Security Doorsets

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| TFS-1050     | Single leaf outward opening hinged security doorset                               | 1.8                                   | 2.165                                 | 0.8                                  | 1.2                                  | 4               | 1177a/01      |
| TFS-1060     | Double leaf outward opening hinged security doorset                               | 1.8                                   | 2.165                                 | 1.5                                  | 2.0                                  | 4 <sup>1</sup>  | 1177a/02      |
| TFS-1110     | Single leaf outward opening hinged security doorset with wicket door <sup>2</sup> | 1.8                                   | 2.165                                 | 0.8                                  | 1.2                                  | 4               | 1177a/03      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Urban Front

Unit 4 Chesham Business Park, 33 Townsend Road, Chesham, Buckinghamshire HP5 2AA, United Kingdom

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E-mail: [info@urbanfront.co.uk](mailto:info@urbanfront.co.uk) • Website: [www.urbanfront.co.uk](http://www.urbanfront.co.uk)

Certificate No: 1390a to LPS 1175: Issue 7

#### Hinged Security Doorset

| Product Name | Type                               | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| E80S         | Single leaf inward opening doorset | 1.908                                 | 2.4                                   | 0.54                                 | 1.2                                  | 2 <sup>1</sup>  | 1390a/01      |

## **PART 4: SECTION 5.1**

### **SECURITY DOORSETS**

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### **Warrior Doors Limited**

Unit 4, Kings Road Industrial Estate, Tyseley, Birmingham, West Midlands B11 2AX, United Kingdom

Tel: +44 (0)121 706 8400 • Fax: +44 (0)121 706 4399

E-mail: [redbook@warrordoors.co.uk](mailto:redbook@warrordoors.co.uk) • Website: [www.warrordoors.co.uk](http://www.warrordoors.co.uk)

Certificate No: 1045a to LPS 1175: Issue 7

#### **Hinged Security Doorsets**

| Product Name   | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|----------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Warrior 4SP-SL | Single leaf outward opening hinged doorset   | 1.8                                   | 2.5                                   | 0.6                                  | 1.322                                | 4               | 1045a/01      |
| Warrior 4-SL   | Single leaf outward opening hinged doorset   | 1.8                                   | 2.5                                   | 0.6                                  | 1.322                                | 4               | 1045a/02      |
| Warrior 4-SLi  | Single leaf inward opening hinged doorset  | 1.8                                   | 2.5                                   | 0.6                                  | 1.322                                | 4               | 1045a/03      |
| Warrior 4-DD   | Double leaf outward opening hinged doorset   | 1.8                                   | 2.5                                   | 1.064                                | 2.260                                | 4               | 1045a/04      |
| Warrior C4-SLS | Single leaf outward or inward opening hinged doorset <sup>1</sup> incorporating side screens | 1.8                                   | 2.5                                   | 0.944                                | 7.322                                | 4               | 1045a/05      |
| Warrior C4-DDS | Double leaf outward opening hinged doorset <sup>2</sup> incorporating side screens           | 1.8                                   | 2.5                                   | 1.408                                | 8.260                                | 4               | 1045a/06      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 1045d to LPS 2081: Issue 1

#### **Hinged Glazed Security Doorsets**

| Product Name   | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|----------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Warrior B-SL   | Single leaf outward opening hinged glazed doorset   | 1.8                                   | 2.5                                   | 0.6                                  | 1.322                                | B               | 1045d/01      |
| Warrior B-SLi  | Single leaf inward opening hinged glazed doorset  | 1.8                                   | 2.5                                   | 0.6                                  | 1.322                                | B               | 1045d/02      |
| Warrior CB-SLi | Single leaf inward or outward opening hinged glazed doorset incorporating side screens and/or overpanels <sup>1,2</sup> | 1.9                                   | 3.5                                   | 0.85                                 | 6.222                                | B               | 1045d/03      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

The windows in this section are approved to LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*

The products listed in this section are generally designed for use in commercial applications.

LPCB has also published a standard for glazing and security glazing films which employs the principles contained within LPS 1175. LPS 1270 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant security glazing units* covers the resistance to manual attack of the glazing material. It enables specifiers to select new or replacement glazing that affords levels of security equivalent to that of the frame or façade in which it is to be employed. Glazing approved to LPS 1270 is listed in section 5.11.

### R & D Sheetmetal Limited

Unit 1A, Victoria Court, Colliers Way, Clayton West, Huddersfield, West Yorkshire HD8 9TR, United Kingdom

Tel: +44 (0)1484 864886 • Fax: +44 (0)1484 866505

E-mail: sales@randdsheetmetal.co.uk • Website: www.randdsheetmetal.co.uk

Certificate No: 1034d to LPS 1175: Issue 7

#### Security Windows

| Product Name                     | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Minimum Structural Opening Depth <sup>1</sup> (m) | Maximum Structural Opening Depth (m) | Security Rating | LPCB Ref. No. |
|----------------------------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|---|--------------------------------------|-----------------|---------------|
| SecureView 3                     | 'Bolt in' fixed APR <sup>2</sup> vision panel | 0.522                                 | 3.122                                 | 0.352                                | 2.122                                | 0.105   | 0.500                                | 3               | 1034d/01      |
|                                  | 'Cast in' fixed APR <sup>2</sup> vision panel | 0.492                                 | 3.092                                 | 0.322                                | 2.092                                | 0.085   | 0.500                                | 3               |               |
| SecureView 4                     | 'Bolt in' fixed APR <sup>2</sup> vision panel | 0.522                                 | 3.122                                 | 0.352                                | 2.122                                | 0.131   | 0.500                                | 4               | 1034d/02      |
|                                  | 'Cast in' fixed APR <sup>2</sup> vision panel | 0.492                                 | 3.092                                 | 0.322                                | 2.092                                | 0.111   | 0.500                                | 4               |               |
| SecureView 'Type E' <sup>3</sup> | 'Bolt in' fixed APR <sup>2</sup> vision panel | 1.210                                 | 1.210                                 | 0.910                                | 0.910                                | 0.250   | 0.250                                | 4               | 1034d/03      |
| SecureView 5                     | 'Bolt in' fixed APR <sup>2</sup> vision panel | 0.522                                 | 3.122                                 | 0.352                                | 2.122                                | 0.131   | 0.500                                | 5               | 1034d/04      |

# PART 4: SECTION 5.2

## SECURITY WINDOWS

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Minimum Structural Opening Depth <sup>1</sup> (m) | Maximum Structural Opening Depth (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|---|--------------------------------------|-----------------|---------------|
|              | 'Cast in' fixed APR <sup>2</sup> vision panel | 0.492                                 | 3.092                                 | 0.322                                | 2.092                                | 0.111   | 0.500                                | 5               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Selectaglaze Limited

Alban Park, Hatfield Road, St Albans, Hertfordshire AL4 0JJ, United Kingdom

Tel: +44 (0)1727 837271 • Fax: +44 (0)1727 844053

E-mail: [enquiries@selectaglaze.co.uk](mailto:enquiries@selectaglaze.co.uk) • Website: [www.selectaglaze.co.uk](http://www.selectaglaze.co.uk)

Certificate No: 683a to LPS 1175: Issue 6

### Secondary Security Glazing Systems

| Product Name        | Type                     | Style  | Minimum Height (m) | Maximum Height <sup>1</sup> (m) | Minimum Width (m) | Maximum Width (m) <sup>1</sup> | Security Rating | LPCB Ref. No. |
|---------------------|--------------------------|--|--------------------|---------------------------------|-------------------|--------------------------------|-----------------|---------------|
| Series 42 'Level 1' | Secondary glazing system | Single fixed light unit  | 0.3                | 3.0 <sup>2</sup>                | 0.3               | 2.0 <sup>2</sup>               | 1               | 683a/10       |
| Series 42 'Level 2' | Secondary glazing system | Single fixed light unit  | 0.3                | 3.0 <sup>2</sup>                | 0.3               | 2.0 <sup>2</sup>               | 2               | 683a/11       |
| Series 43 'Level 1' | Secondary glazing system | Single demountable fixed light unit                              | 0.3                | 3.0 <sup>2</sup>                | 0.3               | 2.0 <sup>2</sup>               | 1               | 683a/12       |
| Series 43 'Level 2' | Secondary glazing system | Single demountable fixed light unit                              | 0.3                | 3.0 <sup>2</sup>                | 0.3               | 2.0 <sup>2</sup>               | 2               | 683a/13       |
| Series 50 'Level 1' | Secondary glazing system | Single light inward opening top hung casement                    | 0.43               | 1.5 <sup>3</sup>                | 0.574             | 3.2 <sup>3</sup>               | 1               | 683a/01       |
|                     | Secondary glazing system | Single light inward opening side hung casement top hung casement | 0.574              | 3.2 <sup>3</sup>                | 0.43              | 1.5 <sup>3</sup>               | 1               |               |
| Series 50 'Level 2' | Secondary glazing system | Single light inward opening top hung casement                    | 0.43               | 1.5 <sup>3</sup>                | 0.574             | 3.2 <sup>3</sup>               | 2               | 683a/02       |
|                     | Secondary glazing system | Single light inward opening side hung casement                   | 0.574              | 3.2 <sup>3</sup>                | 0.43              | 1.5 <sup>3</sup>               | 2               |               |
| Series 55 'Level 1' | Secondary glazing system | Single demountable fixed light unit                              | 0.4                | 3.2 <sup>3</sup>                | 0.4               | 3.2 <sup>3</sup>               | 1               | 683a/03       |
| Series 55 'Level 2' | Secondary glazing system | Single demountable fixed light unit                              | 0.4                | 3.2 <sup>3</sup>                | 0.4               | 3.2 <sup>3</sup>               | 2               | 683a/04       |
| Series 55 'Level 3' | Secondary glazing system | Single demountable fixed light unit                              | 0.4                | 3.2                             | 0.4               | 3.2                            | 3               | 683a/06       |
| Series 85 'Level 1' | Secondary glazing system | Twin light horizontally sliding casement                         | 0.65               | 2.6 <sup>2</sup>                | 1.0               | 3.0 <sup>2</sup>               | 1               | 683a/05       |
| Series 85 'Level 2' | Secondary glazing system | Twin light horizontally sliding casement                         | 0.65               | 2.6 <sup>2</sup>                | 1.0               | 3.0 <sup>2</sup>               | 2               | 683a/07       |



**PART 4: SECTION 5.2****SECURITY WINDOWS**

| Product Name        | Type                     | Style                                  | Minimum Height (m) | Maximum Height (m) <sub>1</sub> | Minimum Width (m) | Maximum Width (m) <sup>1</sup> | Security Rating | LPCB Ref. No. |
|---------------------|--------------------------|--|--------------------|---------------------------------|-------------------|--------------------------------|-----------------|---------------|
| Series 95 'Level 1' | Secondary glazing system | Twin light vertically sliding casement | 1.0                | 3.0 <sup>2,4</sup>              | 0.65              | 2.6 <sup>2,4</sup>             | 1               | 683a/08       |
| Series 95 'Level 2' | Secondary glazing system | Twin light vertically sliding casement | 1.0                | 3.0 <sup>2,4</sup>              | 0.65              | 2.6 <sup>2,4</sup>             | 2               | 683a/09       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Stafford Bridge Doors Limited**

Bedford Road, Pavenham, Bedford MK43 7PS, United Kingdom

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E-mail: [sales@sbdoors.com](mailto:sales@sbdoors.com) • Website: [www.surelockmcgillgroup.com/sbd](http://www.surelockmcgillgroup.com/sbd)

Certificate No: 516d to LPS 1175: Issue 7

**Security Windows**

| Product Name   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|----------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Durham SC05    | 0.3                                   | 3.1                                   | 0.3                                  | 3.1                                  | 3               | 516d/01       |
| Catterick SC05 | 0.3                                   | 3.1                                   | 0.3                                  | 3.1                                  | 3               | 516d/02       |
| Catterick SD10 | 1.0                                   | 3.1                                   | 1.0                                  | 3.1                                  | 4               | 516d/03       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 5.3**

### **ROOFLIGHTS**

The rooflights listed in this section are approved to either:

- LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers, or*
- LPS 2081 *Requirements and testing procedures for the LPCB approval and listing of building components, strongpoints, security enclosures and free-standing barriers offering resistance to intruders attempting to use stealth to gain entry.*

The products listed in this section are generally designed for use in commercial applications.

LPCB has also published a standard for glazing and security glazing films which employs the principles contained within LPS 1175. LPS 1270 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant security glazing units* covers the resistance to manual attack of the glazing material. It enables specifiers to select new or replacement glazing that affords levels of security equivalent to that of the frame or façade in which it is to be employed. Glazing approved to LPS 1270 is listed in section 5.12.

### **Duplus Architectural Systems Limited**

370 Melton Road, Leicester LE4 7SL, United Kingdom

Tel: +44 (0)116 261 0710 • Fax: +44 (0)116 261 0539

E-mail: [sales@duplus.co.uk](mailto:sales@duplus.co.uk) • Website: [www.duplus.co.uk](http://www.duplus.co.uk)

Certificate No: 1409a to LPS 2081: Issue 1

#### ***Fixed and Opening Rooflights***

| <b>Product Name</b> | <b>Type</b>   | <b>Minimum Length<sup>1</sup> (m)</b> | <b>Maximum Length<sup>1</sup> (m)</b> | <b>Minimum Width<sup>1</sup> (m)</b> | <b>Maximum Width<sup>1</sup> (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|---------------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|------------------------|----------------------|
| Part Q<br>Capless   | Pyramid rooflight   | 0.7                                   | 2.0                                   | 0.7                                  | 2.0                                  | A                      | 1409a/01             |
| Part Q<br>Capped    | Lantern rooflight<br>Pyramid rooflight  | 0.7<br>0.7                            | 5.8<br>2.0                            | 0.7<br>0.7                           | 2.0<br>2.0                           | A<br>A                 | 1409a/02             |
| Part Q<br>Fixed     | Lantern rooflight<br>Square or<br>rectangular fixed<br>rooflight<br>Circular fixed<br>rooflight             | 1.1<br>0.325<br>N/A                   | 5.8<br>3.0<br>N/A                     | 0.7<br>0.325<br>1.0                  | 2.0<br>2.4<br>2.0                    | A<br>A<br>A            | 1409a/03             |
| Part Q<br>Hinged    | Hinged rooflight  | 0.7                                   | 1.0                                   | 0.7                                  | 2.0                                  | A                      | 1409a/04             |
| Part Q<br>Sliding   | Sliding rooflight   | 0.9                                   | 2.0                                   | 0.7                                  | 2.0                                  | A                      | 1409a/05             |
| Part Q<br>Walk On   | Square or<br>rectangular walk on<br>rooflight   | 0.325                                 | 2.0                                   | 0.325                                | 1.0                                  | A                      | 1409a/06             |
| Part Q+<br>Capped   | Pyramid rooflight   | 0.7                                   | 2.0                                   | 0.7                                  | 2.0                                  | B                      | 1409a/07             |
| Part Q+<br>Fixed    | Lantern rooflight<br>Individual<br>rectangular fixed<br>rooflight<br>Individual circular<br>fixed rooflight | 1.1<br>0.325<br>N/A                   | 5.8<br>3.0<br>N/A                     | 0.7<br>0.325<br>1.0                  | 2.0<br>2.4<br>2.0                    | B<br>B<br>B            | 1409a/08             |
| Part Q+<br>Sliding  | Sliding rooflight   | 0.9                                   | 2.0                                   | 0.7                                  | 2.0                                  | B                      | 1409a/09             |
| Part Q+<br>Walk on  | Square or<br>rectangular walk on<br>rooflight   | 0.325                                 | 2.0                                   | 0.325                                | 1.0                                  | B                      | 1409a/10             |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Glazing Vision Limited**

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E-mail: sales@glazingvision.co.uk • Website: www.glazingvision.co.uk

Certificate No: 1347a to LPS 2081: Issue 1

**Fixed and Hinged Rooflights**

| Product Name              | Type   | Minimum Length <sup>1</sup> (m) | Maximum Length <sup>1</sup> (m) | Minimum Width <sup>1</sup> (m) | Maximum Width <sup>1</sup> (m) | Security Rating | LPCB Ref. No. |
|---------------------------|--|---------------------------------|---------------------------------|--------------------------------|--------------------------------|-----------------|---------------|
| Flushglaze Secure         | Individual rectangular fixed rooflights <sup>2,3</sup>                     | 0.475                           | 4.2 <sup>4</sup>                | 0.475                          | 4.2 <sup>4</sup>               | A               | 1347a/01      |
|                           | Individual square fixed rooflight <sup>2,3</sup>                           | 0.475                           | 2.0                             | 0.475                          | 2.0                            | A               |               |
|                           | Rooflight formed from multiple units <sup>2</sup>                          | 0.4                             | Unlimited <sup>5</sup>          | 0.8                            | Unlimited <sup>5</sup>         | A               |               |
|                           | Individual circular fixed rooflight  | N/A                             | N/A                             | 0.8                            | 1.686                          | A               |               |
|                           | Walk on fixed rooflight formed from individual or multiple units           | 0.45                            | Unlimited <sup>5</sup>          | 0.4                            | Unlimited <sup>5</sup>         | A               |               |
| Octagonal Pyramid Secure  | Individual octagonal fixed pyramid rooflight <sup>6</sup>                  | N/A                             | N/A                             | 0.8                            | 2.0                            | A               | 1347a/05      |
| Skydoor Secure            | Electromechanical hinged rooflight <sup>6</sup>                            | 1.0                             | 2.1 <sup>7</sup>                | 1.3                            | 3.8 <sup>7</sup>               | A               | 1347a/06      |
| Skyglide Secure           | Electromechanical sliding rooflight <sup>6</sup>                           | 0.9                             | 2.0 <sup>8</sup>                | 0.57                           | 1.52 <sup>8</sup>              | A               | 1347a/07      |
| Skyhatch Secure           | Manually operated hinged rooflight <sup>3</sup>                            | 1.1                             | 1.1                             | 1.1                            | 2.0                            | A               | 1347a/08      |
|                           | Electromechanical hinged rooflight <sup>3</sup>                            | 0.9                             | 1.5                             | 0.9                            | 2.0                            | A               |               |
| Sliding Over Fixed Secure | Electromechanical sliding rooflight <sup>6</sup>                           | 1.3                             | 3.1 <sup>12</sup>               | 1.5                            | 5 <sup>12</sup>                | A               | 1347a/09      |
| Sliding Over Roof Secure  | Electromechanical sliding rooflight <sup>6</sup>                           | 1.3                             | 3.1 <sup>13</sup>               | 0.75                           | 3.69 <sup>13</sup>             | A               | 1347a/10      |
| Standard Box Secure       | Free-standing box rooflight <sup>9</sup>                                   | 1.1                             | 2.4                             | 1.5                            | 4.2                            | A               | 1347a/11      |
|                           | Three-wall box rooflight <sup>9</sup>                                      | 1.1                             | 2.4                             | 1.5                            | 4.2                            | A               |               |
| Standard Pyramid Secure   | Individual square fixed pyramid rooflight <sup>6</sup>                     | 0.6                             | 1.5                             | 0.6                            | 1.5                            | A               | 1347a/12      |
| VisionVent Secure         | Individual elongated fixed pyramid rooflight <sup>6</sup>                  | 0.6                             | 1.5                             | 0.65                           | 2.5                            | A               |               |
|                           | Electromechanical hinged rooflight <sup>6</sup>                            | 0.81                            | 2.4 <sup>10</sup>               | 0.845                          | 2.4 <sup>10</sup>              | A               | 1347a/03      |
|                           | Manually operated hinged rooflight <sup>6</sup> (Solo manual)              | 0.415                           | 2.365 <sup>11</sup>             | 0.415                          | 2.365 <sup>11</sup>            | A               |               |
|                           | Electromechanical chain-actuated hinged rooflight <sup>6</sup>             | 1.0                             | 1.0                             | 1.0                            | 2.2                            | A               |               |
|                           | Manually operated hinged rooflight <sup>6</sup> (Maintenance access hatch) | 0.9                             | 1.5                             | 0.9                            | 1.2                            | A               |               |
| X-Vent Secure             | Electromechanical hinged rooflight <sup>6</sup>                            | 1.4                             | 1.4                             | 1.4                            | 1.9                            | A               | 1347a/13      |
| Flushglaze Secure+        | Individual rectangular fixed rooflights <sup>2,3</sup>                     | 0.475                           | 4.2 <sup>4</sup>                | 0.475                          | 4.2 <sup>4</sup>               | B               | 1347a/02      |
|                           | Individual square fixed rooflight <sup>2,3</sup>                           | 0.475                           | 2.0                             | 0.475                          | 2.0                            | B               |               |
|                           | Rooflight formed from multiple units <sup>2,3</sup>                        | 0.4                             | Unlimited <sup>5</sup>          | 0.8                            | Unlimited <sup>5</sup>         | B               |               |
|                           | Individual circular fixed rooflight  | N/A                             | N/A                             | 0.8                            | 1.686                          | B               |               |
|                           | Walk on fixed rooflight formed from individual or multiple units           | 0.45                            | Unlimited <sup>5</sup>          | 0.4                            | Unlimited <sup>5</sup>         | B               |               |

## PART 4: SECTION 5.3

### ROOFLIGHTS

| Product Name       | Type   | Minimum Length <sup>1</sup> (m) | Maximum Length <sup>1</sup> (m) | Minimum Width <sup>1</sup> (m) | Maximum Width <sup>1</sup> (m) | Security Rating | LPCB Ref. No. |
|--------------------|--|---------------------------------|---------------------------------|--------------------------------|--------------------------------|-----------------|---------------|
| Skydoor Secure+    | Electromechanical hinged rooflight <sup>6</sup>                            | 1.0                             | 2.1 <sup>7</sup>                | 1.3                            | 3.8 <sup>7</sup>               | B               | 1347a/14      |
| Skyhatch Secure+   | Manually operated hinged rooflight <sup>3</sup>                            | 1.1                             | 1.1                             | 1.1                            | 2.0                            | B               | 1347a/15      |
|                    | Electromechanical hinged rooflight <sup>3</sup>                            | 0.9                             | 1.5                             | 0.9                            | 2.0                            | B               |               |
| VisionVent Secure+ | Electromechanical hinged rooflight <sup>6</sup>                            | 0.81                            | 2.4 <sup>10</sup>               | 0.845                          | 2.4 <sup>10</sup>              | B               | 1347a/04      |
|                    | Manually operated hinged rooflight <sup>6</sup> (Maintenance access hatch) | 0.9                             | 1.5                             | 0.9                            | 1.2                            | B               |               |
| X-Vent Secure+     | Electromechanical hinged rooflight <sup>6</sup>                            | 1.4                             | 1.4                             | 1.4                            | 1.9                            | B               | 1347a/16      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### The Rooflight Company

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E-mail: [info@therooflightcompany.co.uk](mailto:info@therooflightcompany.co.uk) • Website: [www.therooflightcompany.co.uk](http://www.therooflightcompany.co.uk)

Certificate No: 929b to LPS 1175: Issue 7

### Fixed Rooflights

| Product Name                       | Type  | Minimum Length (m) | Maximum Length (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|------------------------------------|---|--------------------|--------------------|-------------------|-------------------|-----------------|---------------|
| Plateau Secured by Design: Level 2 | Fixed rooflight                             | 0.96               | 1.76               | 0.96              | 2.76              | 2               | 929b/01       |
| Plateau Secured by Design: Level 3 | Fixed rooflight with integral security bars | 0.96               | 0.96               | 0.96              | 2.76              | 3               | 929b/02       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Theft of equipment from garages is fairly common due to the value of equipment often stored within them and the ease with which burglars can overcome many garage doors. Burglars also target garages that provide access to the inside of the house via internal pedestrian doors because the burglars can:

- Attack the internal doorset unobserved by people in surrounding properties; and/or
- Use tools stored within the garage to aid their entry into the house.

Specifying garage doors that provide proven levels of resistance to forced entry therefore plays an important part in reducing:

- Theft of equipment from garages.
- Theft of items from houses resulting from entry through adjoining garages.

Garage doors listed in this section meet the requirements of either:

- LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers, or*
- EN 1627 *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification.*

In addition to fitting approved garage doors, specifiers keen to improve the security of their garages should also consider using security enclosures approved to LPS 1175 and fitting intruder detection equipment approved by LPCB and installed by a competent installer. Please refer to section 3 for a list of approved security enclosures and section 1 for a list of approved intruder detection equipment.

## SWS UK

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E-mail: [info@swsuk.co.uk](mailto:info@swsuk.co.uk) • Website: [www.swsuk.co.uk](http://www.swsuk.co.uk)

Certificate No: 390b to LPS 1175: Issue 5

### Garage Doors

| Product Name          | Type        | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|-----------------------|-------------|--------------------|--------------------|-------------------|-------------------|-----------------|---------------|
| SeceuroGlide<br>Excel | Garage door | 1.0                | 3.85               | 1.5               | 5.2               | 1               | 390b/01       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 5.5**

### **SECURITY GRILLES, BLINDS AND BARSETS**

Security grilles, blinds and barsets listed in this section are approved to either:

- LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers, or*
- EN 1627 *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification.*

#### **BenweldSecure Limited**

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E-mail: [sales@benweld.co.uk](mailto:sales@benweld.co.uk) • Website: [www.benweld.co.uk](http://www.benweld.co.uk)

Certificate No: 1165b to LPS 1175: Issue 7

#### **Security Barsets**

| Product Name | Type <sup>1</sup>                     | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| BSecure SR3  | Internally face fixed security barset | 0.325                                 | Unlimited <sup>2</sup>                | 0.325                                | Unlimited <sup>2</sup>               | 3               | 1165b/01      |
|              | Externally face fixed security barset | 0.325                                 | Unlimited <sup>2</sup>                | 0.325                                | Unlimited <sup>2</sup>               | 3               |               |
|              | Reveal fixed security barset          | 0.325                                 | Unlimited <sup>2</sup>                | 0.325                                | Unlimited <sup>2</sup>               | 3               |               |
| BSecure SR4  | Internally face fixed security barset | 0.325                                 | Unlimited <sup>2</sup>                | 0.325                                | Unlimited <sup>2</sup>               | 4               | 1165b/02      |
|              | Externally face fixed security barset | 0.325                                 | Unlimited <sup>2</sup>                | 0.325                                | Unlimited <sup>2</sup>               | 4               |               |
|              | Reveal fixed security barset          | 0.325                                 | Unlimited <sup>2</sup>                | 0.325                                | Unlimited <sup>2</sup>               | 4               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### **Bradbury Security**

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E-mail: [sales@bradburyuk.com](mailto:sales@bradburyuk.com) • Website: [www.bradburyuk.com](http://www.bradburyuk.com)

Certificate No: 312a to LPS 1175: Issue 5

#### **Security Grilles**

| Product Name | Type                                    | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|--------------------|--------------------|-------------------|-------------------|-----------------|---------------|
| CX2          | Single gate collapsible security grille | 0.7                | 3.0                | 0.4               | 3.0               | 1               | 312a/04       |
|              | Double gate collapsible security grille | 0.7                | 3.0                | 0.4               | 6.0               | 1               |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**PART 4: SECTION 5.5**  
SECURITY GRILLES, BLINDS AND BARSETS

Certificate No: 312g to LPS 1175: Issue 7

**Security Grilles**

| Product Name    | Type  | Minimum Height (m)                      | Maximum Height (m) | Minimum Width (m) | Maximum Width (m)      | Security Rating <sup>1</sup> | LPCB Ref. No. |
|-----------------|---|---|--------------------|-------------------|------------------------|------------------------------|---------------|
| Extendor Vulcan | Fixed security grille                         | 0.45                                    | 3.88               | 0.3               | 5.75                   | 2                            | 312g/01       |
|                 | Single sash collapsible security grille       | 0.625                                   | 2.7                | 0.39              | 5.75                   | 2+                           |               |
|                 | Double sash collapsible security grille       | 0.625                                   | 2.7                | 0.44              | 11.5 <sup>2</sup>      | 2+                           |               |
|                 | Single sash flexi collapsible security grille | 0.625                                   | 2.7                | 0.39              | 5.75                   | 2+                           |               |
|                 | Double sash flexi collapsible security grille | 0.625                                   | 2.7                | 0.44              | Unlimited <sup>2</sup> | 2+                           |               |
|                 | Vertex SR2                                    | Single sash collapsible security grille | 1.631              | 3.59              | 1.8                    | Unlimited                    |               |
|                 | Double sash collapsible security grille       | 1.631                                   | 3.59               | 3.3               | Unlimited              | 2                            |               |
| Vertex SR3      | Single sash collapsible security grille       | 1.631                                   | 3.59               | 1.8               | Unlimited              | 3                            | 312g/03       |
|                 | Double sash collapsible security grille       | 1.631                                   | 3.59               | 3.3               | Unlimited              | 3                            |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 312i to LPS 1175: Issue 6

**Security Grilles**

| Product Name     | Type   | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m)      | Security Rating | LPCB Ref. No. |
|------------------|--|--------------------|--------------------|-------------------|------------------------|-----------------|---------------|
| Extendor Eclipse | Fixed security grille                                      | 0.5                | 3.58               | 0.3               | 5.75                   | 3               | 312i/01       |
|                  | Single sash collapsible security grille                    | 0.625              | 2.7                | 0.39              | 5.75                   | 3               |               |
|                  | Double sash collapsible security grille                    | 0.625              | 2.7                | 0.44              | 11.5 <sup>1</sup>      | 3               |               |
|                  | Flexi single and multiple sash collapsible security grille | 0.625              | 2.7                | 0.44              | Unlimited <sup>1</sup> | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 312k to LPS 1175: Issue 7

**Security Barsets**

| Product Name            | Type <sup>1</sup>                     | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|-------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| 'Spartan <sup>2</sup> ' | Internally face fixed security barset | 0.3                                   | Unlimited <sup>2</sup>                | 0.3                                  | Unlimited <sup>2</sup>               | 2               | 312k/01       |
|                         | Externally face fixed security barset | 0.3                                   | Unlimited <sup>2</sup>                | 0.3                                  | Unlimited <sup>2</sup>               | 2               |               |

## PART 4: SECTION 5.5

### SECURITY GRILLES, BLINDS AND BARSETS

| Product Name          | Type <sup>1</sup>                     | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|-----------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| 'Spartan <sup>3</sup> | Reveal fixed security barset          | 0.4                                   | Unlimited <sup>2</sup>                | 0.4                                  | Unlimited <sup>2</sup>               | 2               | 312k/02       |
|                       | Internally face fixed security barset | 0.3                                   | Unlimited <sup>2</sup>                | 0.3                                  | Unlimited <sup>2</sup>               | 3               |               |
|                       | Externally face fixed security barset | 0.3                                   | Unlimited <sup>2</sup>                | 0.3                                  | Unlimited <sup>2</sup>               | 3               |               |
|                       | Reveal fixed security barset          | 0.4                                   | Unlimited <sup>2</sup>                | 0.4                                  | Unlimited <sup>2</sup>               | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 1000d to LPS 1175: Issue 7

#### Security Grilles

| Product Name | Type  | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m)      | Security Rating <sup>1</sup> | LPCB Ref. No. |
|--------------|---|--------------------|--------------------|-------------------|------------------------|------------------------------|---------------|
| Ajax SR2     | Fixed security grille                         | 0.45               | 3.88               | 0.3               | 5.75                   | 2                            | 1000d/01      |
|              | Single sash collapsible security grille       | 0.625              | 2.7                | 0.39              | 5.75                   | 2+                           |               |
|              | Double sash collapsible security grille       | 0.625              | 2.7                | 0.44              | 11.5 <sup>2</sup>      | 2+                           |               |
|              | Single sash flexi collapsible security grille | 0.625              | 2.7                | 0.39              | 5.75                   | 2+                           |               |
|              | Double sash flexi collapsible security grille | 0.625              | 2.7                | 0.44              | Unlimited <sup>2</sup> | 2+                           |               |
|              |   |                    |                    |                   |                        |                              |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 1000f to LPS 1175: Issue 6

#### Security Grilles

| Product Name | Type   | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m)      | Security Rating | LPCB Ref. No. |
|--------------|--|--------------------|--------------------|-------------------|------------------------|-----------------|---------------|
| Ajax SR3     | Fixed security grille  | 0.5                | 3.58               | 0.3               | 5.75                   | 3               | 1000f/01      |
|              | Single sash collapsible security grille                      | 0.625              | 2.7                | 0.39              | 5.75                   | 3               |               |
|              | Double sash collapsible security grille                      | 0.625              | 2.7                | 0.44              | 11.5 <sup>1</sup>      | 3               |               |
|              | 'Flexi' single and multiple sash collapsible security grille | 0.625              | 2.7                | 0.44              | Unlimited <sup>1</sup> | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 1000h to LPS 1175: Issue 7



**Security Barsets**

| Product Name | Type <sup>1</sup>                     | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Typhon SR2   | Internally face fixed security barset | 0.3                                   | Unlimited <sup>2</sup>                | 0.3                                  | Unlimited <sup>2</sup>               | 2               | 1000h/01      |
|              | Externally face fixed security barset | 0.3                                   | Unlimited <sup>2</sup>                | 0.3                                  | Unlimited <sup>2</sup>               | 2               |               |
|              | Reveal fixed security barset          | 0.4                                   | Unlimited <sup>2</sup>                | 0.4                                  | Unlimited <sup>2</sup>               | 2               |               |
| Typhon SR3   | Internally face fixed security barset | 0.3                                   | Unlimited <sup>2</sup>                | 0.3                                  | Unlimited <sup>2</sup>               | 3               | 1000h/02      |
|              | Externally face fixed security barset | 0.3                                   | Unlimited <sup>2</sup>                | 0.3                                  | Unlimited <sup>2</sup>               | 3               |               |
|              | Reveal fixed security barset          | 0.4                                   | Unlimited <sup>2</sup>                | 0.4                                  | Unlimited <sup>2</sup>               | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Liddle Doors Limited**

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**Certificate No: 442d to LPS 1175: Issue 6**

**Fixed Security Barsets**

| Product Name                     | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|----------------------------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Liddle Series 2 security bar set | Reveal mounted security barset                      | 0.4                                   | 3.0                                   | 0.4                                  | 3.0                                  | 2               | 442d/01       |
|                                  | Internally or externally face fixed security barset | 0.1                                   | 2.54                                  | 0.1                                  | 2.54                                 | 2               |               |
| Liddle Series 3 security bar set | Reveal mounted security barset                      | 0.4                                   | 3.0                                   | 0.4                                  | 3.0                                  | 3               | 442d/02       |
|                                  | Internally or externally face fixed security barset | 0.1                                   | 2.54                                  | 0.1                                  | 2.54                                 | 3               |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Certificate No: 442j to LPS 1175: Issue 7**

# PART 4: SECTION 5.5

## SECURITY GRILLES, BLINDS AND BARSETS

### Fixed Security Barsets

| Product Name  | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|---------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| LD SR4 Barset | Internally face fixed security barset <sup>1,2</sup> | 0.325                                 | 2.54                                  | 0.325                                | 2.54                                 | 4               | 442j/01       |
|               | Reveal mounted security barset <sub>1</sub>          | 0.325                                 | 3.0                                   | 0.325                                | 3.0                                  | 4               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### PSF Wales Limited

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Certificate No: 953g to LPS 1175: Issue 7

### Individual and Modular Barsets

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Centaur SR2  | Internal or external face fixed security barset                      | 0.325                                 | 1.1                                   | 0.325                                | 1.1                                  | 2               | 953g/01       |
|              | Reveal mounted security barset                                       | 0.325                                 | 1.1                                   | 0.325                                | 1.1                                  | 2               |               |
|              | Modular internal or external face fixed security barset <sup>1</sup> | 0.325                                 | 6.0                                   | 0.325                                | 6.0                                  | 2               |               |
|              | Modular reveal mounted security barset <sup>1</sup>                  | 0.325                                 | 6.0                                   | 0.325                                | 6.0                                  | 2               |               |
| Centaur SR3  | Internal or external face fixed security barset                      | 0.325                                 | 1.1                                   | 0.325                                | 1.1                                  | 3               | 953g/02       |
|              | Reveal mounted security barset                                       | 0.325                                 | 1.1                                   | 0.325                                | 1.1                                  | 3               |               |
|              | Modular internal or external face fixed security barset <sup>1</sup> | 0.325                                 | 6.0                                   | 0.325                                | 6.0                                  | 3               |               |
|              | Modular reveal mounted security barset <sup>1</sup>                  | 0.325                                 | 6.0                                   | 0.325                                | 6.0                                  | 3               |               |
| Centaur SR4  | Internal or external face fixed security barset                      | 0.325                                 | 1.1                                   | 0.325                                | 1.1                                  | 4               | 953g/03       |
|              | Reveal mounted security barset                                       | 0.325                                 | 1.1                                   | 0.325                                | 1.1                                  | 4               |               |
|              | Modular internal or external face fixed security barset <sup>1</sup> | 0.325                                 | 6.0                                   | 0.325                                | 6.0                                  | 4               |               |
|              | Modular reveal mounted security barset <sup>1</sup>                  | 0.325                                 | 6.0                                   | 0.325                                | 6.0                                  | 4               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Simbars (UK) Limited

46 Ashton Vale Road, Ashton, Bristol BS3 2HQ, United Kingdom  
Tel: +44 (0)117 953 1444 • Fax: +44 (0)117 963 1444  
E-mail: [info@simbars.co.uk](mailto:info@simbars.co.uk) • Website: [www.simbars.co.uk](http://www.simbars.co.uk)

Certificate No: 932a to LPS 1175: Issue 6

#### Fixed Security Barsets

| Product Name                  | Type                                  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|-------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Simbars security bar sets SR3 | Reveal mounted security barset        | 0.6                                   | 8.0                                   | 0.6                                  | 6.0                                  | 3               | 932a/01       |
|                               | Internally face fixed security barset | 0.14                                  | 7.54                                  | 0.14                                 | 5.54                                 | 3               |               |
| Simbars security bar sets SR4 | Reveal mounted security barset        | 0.225                                 | 8.0                                   | 0.225                                | 6.0                                  | 4               | 932a/02       |
|                               | Internally face fixed security barset | 0.227                                 | 7.54                                  | 0.29                                 | 5.54                                 | 4               |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Southern Grille & Gate Limited

Unit 4, Eagle Trading Estate, 29 Willow Lane, Mitcham, Surrey CR4 4UY, United Kingdom  
Tel: +44 (0)208 640 9989 • Fax: +44 (0)208 640 4108  
E-mail: [sales@sggltd.co.uk](mailto:sales@sggltd.co.uk) • Website: [www.sggtrade.co.uk](http://www.sggtrade.co.uk)

Certificate No: 1037a to LPS 1175: Issue 7

#### Security Grilles

| Product Name | Type                                    | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|--------------------|--------------------|-------------------|-------------------|-----------------|---------------|
| Titan One    | Single sash collapsible security grille | 0.9                | 3.0                | 0.5               | 3.0               | 1               | 1037a/01      |
|              | Double sash collapsible security grille | 0.9                | 3.0                | 1.0               | 6.0               | 1               |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Steelway Fensecure Limited

Queensgate Works, Bilston Road, Wolverhampton, West Midlands WV2 2NJ, United Kingdom  
Tel: +44 (0)121 521 4521 • Fax: +44 (0)121 521 4551  
E-mail: [sales@steelwaybrickhouse.co.uk](mailto:sales@steelwaybrickhouse.co.uk) • Website: [www.steelway.co.uk](http://www.steelway.co.uk)

Certificate No: 1071g to LPS 1175: Issue 7

## PART 4: SECTION 5.5

### SECURITY GRILLES, BLINDS AND BARSETS

#### Fixed Security Barsets

| Product Name           | Product Type               | Installation        | Minimum Height (m) | Maximum Height (m)     | Minimum Width (m) | Maximum Width (m)      | Security Rating | LPCB Ref. No. |
|------------------------|----------------------------|---------------------|--------------------|------------------------|-------------------|------------------------|-----------------|---------------|
| Steelway Anti-Intruder | Individual security barset | Reveal mounted      | 0.55               | 2.1                    | 0.55              | 2.1                    | 3               | 1071g/01      |
|                        | Individual security barset | External face fixed | 0.45               | 2.0                    | 0.45              | 2.0                    | 3               |               |
|                        | Individual security barset | Internal face fixed | 0.45               | 2.0                    | 0.45              | 2.0                    | 3               |               |
|                        | Modular security barset    | Reveal mounted      | 0.55               | Unlimited <sup>1</sup> | 0.55              | Unlimited <sup>1</sup> | 3               |               |
|                        | Modular security barset    | External face fixed | 0.45               | Unlimited <sup>1</sup> | 0.45              | Unlimited <sup>1</sup> | 3               |               |
|                        | Modular security barset    | Internal face fixed | 0.45               | Unlimited <sup>1</sup> | 0.45              | Unlimited <sup>1</sup> | 3               |               |
|                        |                            |                     |                    |                        |                   |                        |                 |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### Sunray Engineering Limited

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Certificate No: 234h to LPS 1175: Issue 7

#### Fixed Security Barsets

| Product Name  | Type                                | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|---------------|-------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| ExcluGrille 3 | Internal face fixed security barset | 0.325                                 | 2.5                                   | 0.325                                | 3.0                                  | 3               | 234h/01       |
|               | External face fixed security barset | 0.325                                 | 2.5                                   | 0.325                                | 3.0                                  | 3               |               |
|               | Reveal mounted security barset      | 0.370                                 | 2.5                                   | 0.325                                | 3.0                                  | 3               |               |
| ExcluGrille 4 | Internal face fixed security barset | 0.475 <sup>1</sup>                    | 2.5                                   | 0.325                                | 3.0                                  | 4               | 234h/02       |
|               | External face fixed security barset | 0.475 <sup>1</sup>                    | 2.5                                   | 0.325                                | 3.0                                  | 4               |               |
|               | Reveal mounted security barset      | 0.685                                 | 2.5                                   | 0.685                                | 3.0                                  | 4               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 390d to LPS 1175: Issue 7

**Security Grilles**

| Product Name                  | Type   | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|-------------------------------|--|--------------------|--------------------|-------------------|-------------------|-----------------|---------------|
| SeceuroGuard 1001             | Single gate collapsible security grille              | 1                  | 3                  | 0.4               | Unlimited         | 1               | 390d/01       |
|                               | Double gate collapsible security grille              | 1                  | 3                  | 0.5               | Unlimited         | 1               |               |
| SeceuroGuard 1001 "Fixed"     | Fixed security grille                                | 1                  | 3                  | 0.4               | Unlimited         | 1               |               |
| SeceuroGuard 1001 "Floating"  | Single and multiple gate collapsible security grille | 1                  | 3                  | 0.4               | Unlimited         | 1               |               |
| SeceuroGuard 1001s            | Single gate collapsible security grille              | 1                  | 3                  | 0.4               | Unlimited         | 1               | 390d/02       |
|                               | Double gate collapsible security grille              | 1                  | 3                  | 0.5               | Unlimited         | 1               |               |
| SeceuroGuard 1001s "Fixed"    | Fixed security grille                                | 1                  | 3                  | 0.4               | Unlimited         | 1               |               |
| SeceuroGuard 1001s "Floating" | Single and multiple gate collapsible security grille | 1                  | 3                  | 0.4               | Unlimited         | 1               |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Technocover Limited (incorporating TechnoRail and Strataform)**

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Certificate No: 450m to LPS 1175: Issue 7

**Fixed Security Barsets**

| Product Name                            | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|---|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Type WB/DV/3 UltraSecure Window Bar Set | Reveal mounted security barset <sup>1</sup>        | 0.4                                   | Unlimited <sup>2</sup>                | 0.4                                  | Unlimited <sup>2</sup>               | 3               | 450m/01       |
|   | Internally face fixed security barset <sup>1</sup> | 0.4                                   | Unlimited <sup>2</sup>                | 0.4                                  | Unlimited <sup>2</sup>               | 3               |               |
| Type WB/DV/4 UltraSecure Window Bar Set | Reveal mounted security barset <sup>1</sup>        | 0.4                                   | Unlimited <sup>2</sup>                | 0.4                                  | Unlimited <sup>2</sup>               | 4               | 450m/02       |

## **PART 4: SECTION 5.5**

### **SECURITY GRILLES, BLINDS AND BARSETS**

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
|              | Internally face fixed security barset <sup>1</sup> | 0.4                                   | Unlimited <sup>2</sup>                | 0.4                                  | Unlimited <sup>2</sup>               | 4               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### **The Expanded Metal Company Limited**

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Tel: +44 (0)1429 867 388 • Fax: +44 (0)1429 866 795

E-mail: [sales@exmesh.co.uk](mailto:sales@exmesh.co.uk) • Website: [www.expandedmetalfencing.co.uk](http://www.expandedmetalfencing.co.uk)

Certificate No: 731d to LPS 1175: Issue 6

#### **Fixed Security Window Guard**

| Product Name         | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|----------------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Class 3 Window Guard | Rectangular security window guards with square vertical bars <sup>1</sup> | 0.5                                   | 4.0                                   | 0.5                                  | 2.0                                  | 3               | 731d/01       |
|                      | Rectangular security window guards with round vertical bars <sup>2</sup>  | 0.5                                   | 4.0                                   | 0.5                                  | 2.0                                  | 3               | 731d/02       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### **Trellicor (Pty) Limited**

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Certificate No: 474a to LPS 1175: Issue 5

#### **Security Grilles**

| Product Name                | Model    | Type                                    | Minimum Height (m) | Minimum Width (m) | Maximum Height (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|-----------------------------|----------|---|--------------------|-------------------|--------------------|-------------------|-----------------|---------------|
| Trellidor Trojan II - T1000 | Standard | Single gate collapsible security grille | 1.195              | 1.0               | 3.0                | 5.0               | 2               | 474a/04       |
|                             |          | Single gate collapsible security grille | 1.195              | 1.0               | 3.0                | 5.0               | 2               |               |
|                             | Fixture  | Single gate collapsible security grille | 1.195              | 1.0               | 3.0                | 5.0               | 2               |               |
|                             |          | Double gate collapsible security grille | 1.195              | 2.0               | 3.0                | 10.0              | 2               |               |

**PART 4: SECTION 5.5**  
SECURITY GRILLES, BLINDS AND BARSETS

| Product Name                      | Model        | Type                                    | Minimum Height (m) | Minimum Width (m) | Maximum Height (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|-----------------------------------|--------------|---|--------------------|-------------------|--------------------|-------------------|-----------------|---------------|
| Trellidor Trojan II EMESC - T1000 | Double flexi | Double gate collapsible security grille | 1.195              | 2.0               | 3.0                | 10.0              | 2               |               |
|                                   | Standard     | Single gate collapsible security grille | 1.780              | 1.0               | 3.0                | 5.0               | 2               | 474a/05       |
|                                   | Flexi        | Single gate collapsible security grille | 1-780              | 1.0               | 3.0                | 5.0               | 2               |               |
|                                   | Double       | Double gate collapsible security grille | 1.780              | 2.0               | 3.0                | 10.0              | 2               |               |
|                                   | Double flexi | Double gate collapsible security grille | 1.780              | 2.0               | 3.0                | 10.0              | 2               |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Certificate No: 474b to LPS 1175: Issue 6**

**Security grilles**

| Product Name          | Model    | Type                                    | Minimum Height (m) | Minimum Width (m) | Maximum Height (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|-----------------------|----------|---|--------------------|-------------------|--------------------|-------------------|-----------------|---------------|
| Trellidor Plus - T900 | Standard | Single gate collapsible security grille | 0.945              | 0.6               | 3.0                | 5.0               | 1               | 474b/01       |
|                       | Flexi    | Single gate collapsible security grille | 0.945              | 1.0               | 3.0                | 5.0               | 1               |               |
|                       | Fixture  | Single gate collapsible security grille | 0.945              | 0.6               | 3.0                | 5.0               | 1               |               |
|                       | Double   | Double gate collapsible security grille | 0.945              | 1.0               | 3.0                | 10.0              | 1               |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Certificate No: 474d to LPS 1175: Issue 7**

**Security Grilles**

| Product Name         | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|----------------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Trojan 3 EMESC T3000 | Single leaf collapsible grille <sup>1</sup>  | 2.2                                   | 3.63                                  | 1.0                                  | Unlimited                            | 3               | 474d/01       |
|                      | Double leaf collapsible grille <sup>1</sup>  | 2.2                                   | 3.63                                  | 1.0                                  | Unlimited                            | 3               |               |
|                      | Side-by-side collapsible grille <sup>2</sup> | 2.2                                   | 3.63                                  | 1.0                                  | Unlimited                            | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 5.6**

### **SECURITY SHUTTERS**

Security shutters listed in this section which provide resistance to manual forced entry are approved to either:

- LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers, or*
- EN 1627 *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification.*

Security shutters listed in this section which provide ballistic resistance are approved to:

- BS EN 1522 *Windows, doors, shutters and blinds - Bullet resistance - Requirements and classification*

LPCB also issues approvals covering other aspects of shutter performance including fire resistance.

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### **Advanced Doors Limited**

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E-mail: [info@advanceddoors.co.uk](mailto:info@advanceddoors.co.uk) • Website: [www.advanceddoors.co.uk](http://www.advanceddoors.co.uk)

Certificate No: 1428a to LPS 1175: issue 7

#### **Security Shutters**

| Product Name | Type   | Security Rating <sup>1</sup> | LPCB Ref. No. |
|--------------|--|------------------------------|---------------|
| INVICTUS 1   | Roller shutter with solid and/or perforated steel laths                | 1                            | 1428a/01      |
| INVICTUS 2   | Roller shutter with solid steel laths                                  | 2                            | 1428a/02      |
| INVICTUS 3   | Roller shutter with single skin aluminium laths                        | 3                            | 1428a/03      |
| INVICTUS 4   | Roller shutter with alternating single and double skin aluminium laths | 4                            | 1428a/04      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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### **Armourpost Limited**

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Certificate No: 1137a to LPS 1175: Issue 7

#### **Security Shutters**

| Product Name  | Type  | Security Rating | LPCB Ref. No. |
|---------------|---|-----------------|---------------|
| Rolux SR3-SOL | Roller shutter with reinforced aluminium lath | 3               | 1137a/01      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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### **Ascot Doors Limited**

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Certificate No: 131b to LPS 1175: Issue 3



# PART 4: SECTION 5.6

## SECURITY SHUTTERS

### Security Shutters

| Product Name | Type            | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|--------------|-----------------|--------------------|--------------------|-------------------|-------------------|-----------------|---------------|
| A320         | Rolling shutter | 2                  | 7                  | 2.5               | 9                 | 4               | 131b/01       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 131e to LPS 1175: Issue 6

### Security Shutters

| Product Name | Model     | Type  | Security Rating | LPCB Ref. No. |
|--------------|-----------|---|-----------------|---------------|
| Centurion    | A305SS-EX | Roller shutter with solid single skin steel lath      | 1               | 131e/01       |
|              | A305PS-EX | Roller shutter with perforated single skin steel lath | 1               | 131e/02       |
|              | A305SA-EX | Roller shutter with solid single skin aluminium lath  | 1               | 131e/03       |
|              | A305PA-EX | Roller shutter with punched aluminium lath            | 1               | 131e/04       |
|              | A305PG-EX | Roller shutter with punched and glazed aluminium lath | 1               | 131e/05       |
|              | A310SS-EX | Roller shutter with solid single skin steel lath      | 2               | 131e/06       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 131f to LPS 1175: Issue 7

### Security Shutters

| Product Name | Model  | Type  | Security Rating | LPCB Ref. No. |
|--------------|--------|---|-----------------|---------------|
| Centurion    | A305SS | Roller shutter with solid single skin steel lath          | 1               | 131f/01       |
|              | A305PS | Roller shutter with perforated single skin steel lath     | 1               | 131f/02       |
|              | A305SA | Roller shutter with solid single skin aluminium lath      | 1               | 131f/03       |
|              | A305PA | Roller shutter with punched aluminium lath                | 1               | 131f/04       |
|              | A305PG | Roller shutter with punched and glazed aluminium lath     | 1               | 131f/05       |
|              | A310SS | Roller shutter with solid single skin steel lath          | 2               | 131f/06       |
|              | A311   | Insulated roller shutter                                  | 2               | 131f/08       |
|              | A315   | Roller shutter with reinforced double skin aluminium lath | 3               | 131f/07       |
|              | A316   | Roller shutter with double skin insulated lath            | 3               | 131f/09       |
|              | A321   | Roller shutter with reinforced double skin steel lath     | 4               | 131f/10       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## CGT Security Limited

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Certificate No: 1396a to LPS 1175: Issue 7

### Security Shutters

| Product Name | Model | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|-------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Xonar        | 802   | Built-in roller shutter incorporating solid and/or perforated laths               | 2.0                                   | 6.0                                   | 1.0                                  | 6.0                                  | 2               | 1396a/01      |
|              | 902   | Internally face fitted roller shutter incorporating solid and/or perforated laths | 2.0                                   | 6.0                                   | 1.0                                  | 8.0                                  | 2               | 1396a/02      |

## **PART 4: SECTION 5.6**

### **SECURITY SHUTTERS**

| <b>Product Name</b> | <b>Model</b> | <b>Type</b>   | <b>Minimum Structural Opening Height (m)</b> | <b>Maximum Structural Opening Height (m)</b> | <b>Minimum Structural Opening Width (m)</b> | <b>Maximum Structural Opening Width (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|---------------------|--------------|---|--|--|---|---|------------------------|----------------------|
|                     | 803          | Built-in roller shutter incorporating solid and/or perforated laths               | 2.0  | 6.0  | 1.0   | 6.0   | 3                      | 1396a/03             |
|                     | 903          | Internally face fitted roller shutter incorporating solid and/or perforated laths | 2.0  | 6.0  | 1.0   | 8.0   | 3                      | 1396a/04             |
|                     | 904          | Internally face fitted roller shutter incorporating solid laths                   | 1.0  | 6.0  | 1.0   | 6.0   | 4                      | 1396a/05             |
|                     | 904          | Externally face fitted roller shutter incorporating solid laths                   | 1.8  | 6.0  | 1.0   | 6.0   | 4                      | 1396a/06             |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### **Charter Global Limited**

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Certificate No: 1075a to LPS 1175: Issue 7

### **Security Shutters**

| <b>Product Name</b> | <b>Model</b>    | <b>Type</b>   | <b>Minimum Structural Opening Height (m)</b> | <b>Maximum Structural Opening Height (m)</b> | <b>Minimum Structural Opening Width (m)</b> | <b>Maximum Structural Opening Width (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|---------------------|-----------------|---|--|--|---|---|------------------------|----------------------|
| Obexion             | UD SR2          | Internally face fitted roller shutter incorporating solid and/or perforated laths | 2.0  | 6.0  | 1.0   | 8.0   | 2                      | 1075a/01             |
|                     | UD SR3          | Internally face fitted roller shutter incorporating solid and/or perforated laths | 2.0  | 6.0  | 1.0   | 8.0   | 3                      | 1075a/02             |
|                     | MD SR4          | Internally face fitted roller shutter incorporating solid laths                   | 1.0  | 6.0  | 1.0   | 6.0   | 4                      | 1075a/05             |
|                     | MD SR4          | Externally face fitted roller shutter incorporating solid laths                   | 1.8  | 6.0  | 1.0   | 6.0   | 4                      | 1075a/13             |
|                     | MD SR5          | Internally face fitted roller shutter incorporating solid laths                   | 1.0  | 6.0  | 1.0   | 6.0   | 5                      | 1075a/06             |
| Integr8             | SR2 180LS Ultra | Built-in roller shutter incorporating solid and/or perforated laths               | 2.0  | 6.0  | 1.0   | 6.0   | 2                      | 1075a/03             |

# PART 4: SECTION 5.6

## SECURITY SHUTTERS

| Product Name | Model                 | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|-----------------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
|              | SR2<br>180C<br>Ultra  | Internally face fitted roller shutter incorporating solid and/or perforated laths | 2.0                                   | 6.0                                   | 1.0                                  | 8.0                                  | 2               | 1075a/07      |
|              | SR3<br>180LS<br>Ultra | Built-in roller shutter incorporating solid and/or perforated laths               | 2.0                                   | 6.0                                   | 1.0                                  | 6.0                                  | 3               | 1075a/04      |
|              | SR3<br>180C<br>Ultra  | internally face fitted roller shutter incorporating solid and/or perforated laths | 2.0                                   | 6.0                                   | 1.0                                  | 8.0                                  | 3               | 1075a/08      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Fortress Glass Technology LLP

5 Cloughmore Road, HydePark Industrial Estate, Newtownabbey, Northern Ireland BT36 4WW, United Kingdom

Tel: +44 (0)28 9034 2655 • Fax: +44 (0)28 9034 2651

E-mail: [info@fortressglass.co.uk](mailto:info@fortressglass.co.uk) • Website: [www.fortressglass.co.uk](http://www.fortressglass.co.uk)

Certificate No: 1236b to LPS 1175: Issue 7

### Security Shutters

| Product Name | Type   | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Axalux       | Internally face fitted roller shutter with double skin steel laths | 0.5                                   | 12.0                                  | 0.5                                  | 7.0                                  | 3               | 1236b/01      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Gilgen Door Systems UK Limited

Securiparc House, Alfreton Trading Estate, Wimsey Way, Alfreton, Derbyshire DE55 4LS, United Kingdom

Tel: +44 (0)8700 005255 • Fax: +44 (0)8700 005256

E-mail: [sales@gilgends.com](mailto:sales@gilgends.com) • Website: [www.gilgendoorsystems.co.uk](http://www.gilgendoorsystems.co.uk)

Certificate No: 1123a to LPS 1175: Issue 7

### Security Shutters

| Product Name           | Model     | Type   | Security Rating <sup>1</sup> | LPCB Ref. No. |
|------------------------|-----------|--|------------------------------|---------------|
| Rolegard-High Security | SR2-INS   | Roller shutter with foam filled insulated laths                    | 2                            | 1123a/03      |
|                        | SR2-SS    | Roller shutter with solid single skin steel laths                  | 2                            | 1123a/02      |
|                        | SR3-INSHD | Roller shutter with foam filled insulated laths                    | 3                            | 1123a/06      |
|                        | SR3-SS    | Roller shutter with solid single skin steel laths                  | 3                            | 1123a/04      |
|                        | SR4-DSHD  | Roller shutter with reinforced double skin steel lath <sup>2</sup> | 4                            | 1123a/01      |
|                        | SR4-SSHD  | Roller shutter with solid single skin steel laths                  | 4                            | 1123a/07      |

## PART 4: SECTION 5.6

### SECURITY SHUTTERS

| Product Name | Model                     | Type   | Security Rating <sup>1</sup> | LPCB Ref. No. |
|--------------|---------------------------|--|------------------------------|---------------|
|              | SR5-DSHD                  | Roller shutter with reinforced double skin steel lath <sup>2</sup> | 5                            | 1123a/08      |
|              | SR5-DSHD-FB3 <sub>3</sub> | Roller shutter with reinforced double skin steel lath              | 5                            | 1123a/09      |
|              | SR5-DSHD-FB4 <sub>3</sub> | Roller shutter with reinforced double skin steel lath              | 5                            | 1123a/10      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 1123b to BS EN 1522: 1999

#### Security Shutters

| Product Name           | Model                     | Type  | Bullet Resistance <sup>1</sup> | LPCB Ref. No. |
|------------------------|---------------------------|---|--------------------------------|---------------|
| Rolegard-High Security | SR5-DSHD-FB3 <sub>2</sub> | Roller shutter with reinforced double skin steel lath | FB3                            | 1123b/01      |
|                        | SR5-DSHD-FB4 <sub>2</sub> | Roller shutter with reinforced double skin steel lath | FB4                            | 1123b/02      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 1123c to BS EN 1627:2011

#### Security Shutters

| Product Name           | Model                 | Type   | Resistance Class <sup>1</sup> | LPCB Ref. No. |
|------------------------|-----------------------|--|-------------------------------|---------------|
| Rolegard-High Security | RC3-INSHD             | Roller shutter with foam filled insulated laths <sup>2</sup> | 3                             | 1123c/01      |
|                        | RC4-INSHD             | Roller shutter with foam filled insulated laths <sup>2</sup> | 4                             | 1123c/02      |
|                        | RC4-DSHD <sub>2</sub> | Roller shutter with reinforced double skin steel laths       | 4                             | 1123c/03      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Harlech Industrial Doors Limited

Unit 8 Curran Industrial Estate, Curran Road, Cardiff, Cardiff CF10 5DF, United Kingdom

Tel: +44 (0)800 834 347 • Fax: +44 (0)2920 359 233

E-mail: [info@harlechdoors.net](mailto:info@harlechdoors.net) • Website: [www.harlechdoors.net](http://www.harlechdoors.net)

Certificate No: 1282a to LPS 1175: Issue 7

#### Security Shutters

| Product Name | Model   | Type                                  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Crime-gard   | Level 1 | Internally face fitted roller shutter | 1                                     | 10                                    | 1                                    | 10                                   | 1               | 1282a/01      |
|              | Level 2 | Internally face fitted roller shutter | 1                                     | 10                                    | 1                                    | 10                                   | 2               | 1282a/02      |
|              | Level 3 | Internally face fitted roller shutter | 1                                     | 10                                    | 1                                    | 10                                   | 3               | 1282a/03      |

# PART 4: SECTION 5.6

## SECURITY SHUTTERS

| Product Name | Model   | Type                                  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
|              | Level 4 | Internally face fitted roller shutter | 1                                     | 10                                    | 1                                    | 15                                   | 4               | 1282a/04      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Hart Door Systems

Redburn Road, Westerhope Industrial Estate, Westerhope, Newcastle upon Tyne NE5 1PJ, United Kingdom

Tel: +44 (0)191 214 0404 • Fax: +44 (0)191 271 1611

E-mail: [info@hartdoors.com](mailto:info@hartdoors.com) • Website: [www.hartdoors.com](http://www.hartdoors.com)

Certificate No: 016c to LPS 1175: Issue 7

#### Security Shutter

| Product Name      | Type                                  | Security Rating <sup>1</sup> | LPCB Ref. No. |
|-------------------|---------------------------------------|------------------------------|---------------|
| Terror Screen SR1 | Internally face filled roller shutter | 1                            | 016c/02       |
| Terror Screen SR2 | Internally face filled roller shutter | 2                            | 016c/03       |
| Terror Screen SR3 | Internally face filled roller shutter | 3                            | 016c/04       |
| Terror Screen SR4 | Internally face filled roller shutter | 4                            | 016c/01       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### SWS UK

Hornby Road, Cloughton, Lancaster LA2 9LA, United Kingdom

Tel: +44 (0)1524 772400 • Fax: +44 (0)1524 772411

E-mail: [info@swsuk.co.uk](mailto:info@swsuk.co.uk) • Website: [www.swsuk.co.uk](http://www.swsuk.co.uk)

Certificate No: 390a to LPS 1175: Issue 5.3

#### Security Shutters

| Product Name       | Type                                 | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|--------------------|--------------------------------------|--------------------|--------------------|-------------------|-------------------|-----------------|---------------|
| SeceuroShield 3801 | Roller shutter with solid laths      | 0.9                | 4.0                | 0.9               | 3.0               | 1               | 390a/02       |
| SeceuroShield 7501 | Roller shutter with solid laths      | 0.6                | 4.7                | 0.9               | 6.0               | 1               | 390a/04       |
| SeceuroVision 7501 | Roller shutter with perforated laths | 0.6                | 4.7                | 0.9               | 6.0               | 1               | 390a/05       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 390e to LPS 1175: Issue 7

#### Security Shutter

| Product Name | Model | Type   | Security Rating | LPCB Ref. No. |
|--------------|-------|--|-----------------|---------------|
| SeceuroDoor  | 7502  | Roller shutter with solid single skin steel lath | 2               | 390e/01       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 5.7**

### **PERFORATED SECURITY SCREENS**

Perforated security screens (otherwise referred to as security screens and void protection screens) listed in this section are approved to either:

- LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers, or*
- EN 1627 *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification*

### **SWS UK**

Hornby Road, Cloughton, Lancaster LA2 9LA, United Kingdom

Tel: +44 (0)1524 772400 • Fax: +44 (0)1524 772411

E-mail: [info@swsuk.co.uk](mailto:info@swsuk.co.uk) • Website: [www.swsuk.co.uk](http://www.swsuk.co.uk)

Certificate No: 390c to LPS 1175: Issue 6

#### ***Perforated Security Screens***

| <b>Product Name</b> | <b>Type</b>           | <b>Minimum Height (m)</b> | <b>Minimum Width (m)</b> | <b>Maximum Height (m)</b> | <b>Maximum Width (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|---------------------|-----------------------|---------------------------|--------------------------|---------------------------|--------------------------|------------------------|----------------------|
| SeceuroMesh         | Fixed security screen | 0.25                      | 0.25                     | 2.54                      | 1.29                     | 1                      | 390c/01              |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Louvre vents listed within this section are approved to LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, stongpoints, security enclosures and free-standing barriers*.

Unless otherwise stated, the approvals relate to the louvre vent's resistance to the creation of a hole large enough for a person to pass through, as indicated by the 225 mm by 400 mm elliptical test block defined in LPS 1175.

It is recommended specifiers select louvres rated to resist the creation of smaller holes if the louvres are to be used within the close proximity of equipment that needs to be protected from tampering/removal, or lock operating hardware that does not require a key (e.g. thumbturns, lever handles, push pads or panic bars).

For guidance, the test blocks used are:

| Type              | Test Block   | Notes  |
|-------------------|--|--|
| Local penetration | 8 mm (+3 mm/-0 mm) by 25 mm (+3 mm/-0 mm) rectangular section                            | Represents the louvre panel's likely resistance to creation of a hole through which a piece of wire, screwdriver, lever or other such device can be passed. Such an attack may be attempted by an intruder wishing to operate a panic bar, emergency lever handle or other non-deadlocked device capable of releasing the boltwork on the item in which the louvre panel is mounted or on an item directly adjacent to that in which the louvre panel is mounted.  |
| Hand hole         | 60 mm (+3 mm/-0 mm) diameter   | Represents the louvre panel's likely resistance to creation of a hand hole. Such an attack may be attempted by an intruder wishing to: <ul style="list-style-type: none"> <li>Operate a thumbturn to release the boltwork on the item in which the louvre panel is mounted or on an item directly adjacent to that in which the louvre panel is mounted.</li> <li>Retrieve an item from the protected side of the louvre panel e.g. an item on display behind a shop window, a set of door keys or a set of car keys.</li> </ul> |
| Complete access   | Elliptical section of 400 mm (+3 mm/-0 mm) major axis by 225 mm (+3 mm/-0 mm) minor axis | Represents the louvre panel's resistance to creation of a hole through which an elliptical test block measuring 400 mm by 225 mm may be passed. This replicates the size a person may be able to pass through and reflects the test block defined in LPS 1175: Issue 7.  |

### **Bastion Security Products Limited**

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Tel: +44 (0)191 257 3100 • Fax: +44 (0)191 497 2997

E-mail: [moreinfo@bastionprotects.com](mailto:moreinfo@bastionprotects.com) • Website: [www.bastionprotects.com](http://www.bastionprotects.com)

Certificate No: 1046c to LPS 1175: Issue 7

## PART 4: SECTION 5.8

### LOUVRE VENTS

#### Louvre Vents

| Product Name  | Type        | Minimum Structural Opening Height <sup>1</sup> (m) | Maximum Structural Opening Height <sup>1</sup> (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|---------------|-------------|--|--|--------------------------------------|--------------------------------------|-----------------|---------------|
| BastionGrille | Louvre vent | 0.2  | 0.6  | 0.2                                  | 0.6                                  | 4               | 1046c/01      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### PSF Wales Limited

Llys Rhiannon, Cil Yr Ychen Industrial Estate, Landeilo Road, Llandybie, Ammanford, Carmarthenshire SA18 3GY, United Kingdom

Tel: +44 (0)1269 851777 • Fax: +44 (0)1269 851747

E-mail: [sales@psfwales.co.uk](mailto:sales@psfwales.co.uk) • Website: [www.psfwales.co.uk](http://www.psfwales.co.uk)

Certificate No: 953e to LPS 1175: Issue 7

#### Louvre Vents

| Product Name          | Type                       | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|-----------------------|----------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Hercules SAF 3 Louvre | Steel security louvre vent | 0.2                                   | Unlimited <sup>1</sup>                | 0.2                                  | Unlimited <sup>1</sup>               | 3 <sup>2</sup>  | 953e/01       |
| Hercules SAF 4 Louvre | Steel security louvre vent | 0.2                                   | Unlimited <sup>1</sup>                | 0.2                                  | Unlimited <sup>1</sup>               | 4 <sup>2</sup>  | 953e/02       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### Stafford Bridge Doors Limited

Bedford Road, Pavenham, Bedford MK43 7PS, United Kingdom

Tel: +44 (0)1234 826316 • Fax: +44 (0)1234 826319

E-mail: [sales@sbdoors.com](mailto:sales@sbdoors.com) • Website: [www.surelockmcgillgroup.com/sbd](http://www.surelockmcgillgroup.com/sbd)

Certificate No: 516b to LPS 1175: Issue 7

#### Louvre Vents

| Product Name | Type                       | Minimum Louvre Height <sup>1</sup> (m) | Maximum Louvre Height <sup>1</sup> (m) | Minimum Louvre Width <sup>2</sup> (m) | Maximum Louvre Width <sup>2</sup> (m) | Security Rating | LPCB Ref. No. |
|--------------|----------------------------|--|--|---------------------------------------|---------------------------------------|-----------------|---------------|
| Blackwatch   | Steel security louvre vent | 0.35                                   | 2.50                                   | 0.35                                  | 1.15                                  | 4               | 516b/01       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### Sunray Engineering Limited

Kingsnorth Industrial Estate, Wotton Road, Ashford, Kent TN23 6LL, United Kingdom

Tel: +44 (0)1233 639039 • Fax: +44 (0)1233 625137

E-mail: [sales@sunraydoors.co.uk](mailto:sales@sunraydoors.co.uk) • Website: [www.sunraydoors.co.uk](http://www.sunraydoors.co.uk)

Certificate No: 234g to LPS 1175: Issue 7



**Louvre Vents**

| Product Name   | Type                      | Minimum Structural Opening Height (m) <sup>1</sup> | Maximum Structural Opening Height (m) <sup>1</sup> | Minimum Structural Opening Width (m) <sup>1</sup> | Maximum Structural Opening Width (m) <sup>1</sup> | Security Rating | LPCB Ref. No. |
|----------------|---------------------------|--|--|---|---|-----------------|---------------|
| ExcluLouvre® 2 | Fixed louvre panel system | 0.415  | 5.0  | 0.315   | Unlimited   | 2               | 234g/01       |
| ExcluLouvre® 3 | Fixed louvre panel system | 0.415  | 5.0  | 0.315   | Unlimited   | 3               | 234g/02       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Surelock McGill Limited**

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Tel: +44 (0)1189 772 525 • Fax: +44 (0)1189 771 913

E-mail: [sales@surelock.co.uk](mailto:sales@surelock.co.uk) • Website: [www.surelock.co.uk](http://www.surelock.co.uk)

Certificate No: 516-1a to LPS 1175: Issue 7

**Louvre Vents**

| Product Name | Type                       | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|----------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| Max Air XA1  | Steel security louvre vent | 0.125                                 | 7.5                                   | 0.125                                | 7.5                                  | 1               | 516-1a/01     |
| Max Air XA2  | Steel security louvre vent | 0.125                                 | 7.5                                   | 0.125                                | 7.5                                  | 2               | 516-1a/02     |
| Max Air XA3  | Steel security louvre vent | 0.125                                 | 7.5                                   | 0.125                                | 7.5                                  | 3               | 516-1a/03     |
| Max Air XA4  | Steel security louvre vent | 0.125                                 | 7.5                                   | 0.125                                | 7.5                                  | 4               | 516-1a/04     |
| Max Air XA5  | Steel security louvre vent | 0.125                                 | 7.5                                   | 0.125                                | 7.5                                  | 5               | 516-1a/05     |
| Max Air XA6  | Steel security louvre vent | 0.125                                 | 7.5                                   | 0.125                                | 7.5                                  | 6               | 516-1a/06     |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Technocover Limited (incorporating TechnoRail and Strataform)**

Henfaes Lane, Welshpool, Powys SY21 7BE, United Kingdom

Tel: +44 (0)1938 555511 • Fax: +44 (0)1938 555527

E-mail: [techadvice@technocover.co.uk](mailto:techadvice@technocover.co.uk) • Website: [www.technocover.co.uk](http://www.technocover.co.uk)

Certificate No: 450h to LPS 1175: Issue 6

## **PART 4: SECTION 5.8**

### **LOUVRE VENTS**

#### ***Louvre Vents***

| <b>Product Name</b> | <b>Type</b>                             | <b>Minimum Louvre Module Height (m)</b> | <b>Maximum Louvre Module Height (m)</b> | <b>Minimum Louvre Module Width (m)</b> | <b>Maximum Louvre Module Width (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|---------------------|---|---|---|--|--|------------------------|----------------------|
| Louvre Vent         | Modular louvre vent system <sup>1</sup> | 0.2                                     | 1 <sup>1</sup>                          | 0.6                                    | 1.2 <sup>1</sup>                       | 5                      | 450h/01              |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Walling systems listed in this section are approved to LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*

In order to comply with the terms of the approval, the walling systems must be designed and installed in accordance with the relevant system manuals noted within the product entry.

Unless otherwise stated, the approvals cover:

- Plain systems. That is, the approval excludes service penetrations, ducts or other openings such as doors and windows.
- Resistance to the creation of an access hole, within the area of the barrier, through which it is possible to pass a 225 mm by 400 mm elliptical test block defined in LPS 1175.

It is recommended that evidence is sought to confirm the compatibility of any doors, windows, etc. to ensure the combined assembly offers the required security rating. Where such compatibility has been proven, this is indicated in the relevant listing.

### Bastion Security Products Limited

5a New York Way, New York Industrial Park, Shiremoor, Newcastle-upon-Tyne NE27 0QF, United Kingdom  
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E-mail: [moreinfo@bastionprotects.com](mailto:moreinfo@bastionprotects.com) • Website: [www.bastionprotects.com](http://www.bastionprotects.com)

Certificate No: 1046e/01 to LPS 1175: Issue 7

#### Secure Partition Walling System

| Product Name  | Type  | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|---------------|---|--------------------|--------------------|-------------------|-------------------|-----------------|---------------|
| Bastion Wall4 | Partition formed from wall panels supported by existing adjacent walls <sup>1</sup> | 1.171              | 3.0                | 0.66 <sup>2</sup> | Unlimited         | 4               | 1046e/01      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Burton Safes Limited

Units 20-28, Brockholes Business Park, Rock Mill Road, Brockholes, Holmfirth HD9 7BN, United Kingdom  
Tel: +44 (0)1484 663388 • Fax: +44 (0)1484 666338  
E-mail: [enquiries@burtonsafes.co.uk](mailto:enquiries@burtonsafes.co.uk) • Website: [www.burtonsafes.co.uk](http://www.burtonsafes.co.uk)

Certificate No: 1000c to LPS 1175: Issue 6

#### Secure Partition Walling System

| Product Name | Type                                | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|--------------|-------------------------------------|--------------------|--------------------|-------------------|-------------------|-----------------|---------------|
| Talos        | Walls with horizontally laid panels | 2.5                | Unlimited          | 2.50              | Unlimited         | 2               | 1000c/01      |
|              | Walls with vertically laid panels   | 2.5                | 5.5                | 0.25              | Unlimited         | 2               |               |
|              | Walls with horizontally laid panels | 2.5                | Unlimited          | 2.50              | Unlimited         | 3               | 1000c/02      |
|              | Walls with vertically laid panels   | 2.5                | 5.5                | 0.25              | Unlimited         | 3               |               |
|              | Walls with horizontally laid panels | 2.5                | Unlimited          | 2.50              | Unlimited         | 4               | 1000c/03      |

## PART 4: SECTION 5.9

### SECURE WALLING SYSTEMS

| Product Name | Type                              | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|--------------|-----------------------------------|--------------------|--------------------|-------------------|-------------------|-----------------|---------------|
|              | Walls with vertically laid panels | 2.5                | 5.5                | 0.25              | Unlimited         | 4               |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### Isoclad Limited

10 Alder Road, West Chirton North Industrial Estate, North Shields, Tyne & Wear NE29 8SD, United Kingdom

Tel: +44 (0)191 258 5052 • Fax: +44 (0)191 259 5742

E-mail: [sales@isoclad.co.uk](mailto:sales@isoclad.co.uk) • Website: [www.isoclad.co.uk](http://www.isoclad.co.uk)

Certificate No: 142d to LPS 1175: Issue 6

#### Secure Partition Walling System

| Product Name | Product Type                        | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|--------------|-------------------------------------|--------------------|--------------------|-------------------|-------------------|-----------------|---------------|
| Securiclاد   | Walls with horizontally laid panels | 2.0                | Unlimited          | 2.0               | Unlimited         | 2               | 142d/03       |
|              | Walls with vertically laid panels   | 2.0                | 5.5                | 0.25              | Unlimited         | 2               |               |
|              | Walls with horizontally laid panels | 2.0                | Unlimited          | 2.0               | Unlimited         | 3               | 142d/01       |
|              | Walls with vertically laid panels   | 2.0                | 5.5                | 0.25              | Unlimited         | 3               |               |
|              | Walls with horizontally laid panels | 2.0                | Unlimited          | 2.0               | Unlimited         | 4               | 142d/02       |
|              | Walls with vertically laid panels   | 2.0                | 5.5                | 0.25              | Unlimited         | 4               |               |
|              | Walls with horizontally laid panels | 2.0                | Unlimited          | 2.0               | Unlimited         | 5               | 142d/04       |
|              | Walls with vertically laid panels   | 2.0                | 5.5                | 0.25              | Unlimited         | 5               |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### Premier Security Solutions Limited

Unit 2, 19-21 Roebuck Road, Hainault Business Park, Hainault, Essex IG6 3TU, United Kingdom

Tel: +44 (0)20 8559 8295 • Fax: +44 (0)20 8502 6888

E-mail: [sales@premier-ssl.com](mailto:sales@premier-ssl.com) • Website: [www.premier-ssl.com](http://www.premier-ssl.com)

Certificate No: 1097b to LPS 1175: Issue 7

#### Modular Security Screen

| Product Name | Type  | Minimum Structural Opening Height (m) | Maximum Structural Opening Height (m) | Minimum Structural Opening Width (m) | Maximum Structural Opening Width (m) | Security Rating | LPCB Ref. No. |
|--------------|---|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| SBD2         | Portcullis style modular security screen <sup>1</sup> | 0.3 <sup>2</sup>                      | 6                                     | 0.2 <sup>4</sup>                     | 6                                    | 2               | 1097b/01      |
|              | Fully glazed modular security screen                  | 0.15 <sup>3</sup>                     | 6                                     | 0.3 <sup>4</sup>                     | 6                                    | 2               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**R & D Sheetmetal Limited**

Unit 1A, Victoria Court, Colliers Way, Clayton West, Huddersfield, West Yorkshire HD8 9TR, United Kingdom

Tel: +44 (0)1484 864886 • Fax: +44 (0)1484 866505

E-mail: [sales@randdsheetmetal.co.uk](mailto:sales@randdsheetmetal.co.uk) • Website: [www.randdsheetmetal.co.uk](http://www.randdsheetmetal.co.uk)

Certificate No: 1034c to LPS 1175: Issue 7

**Secure Partition Walling Systems**

| Product Name     | Type  | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Minimum Length (m) | Maximum Length (m) | Security Rating | LPCB Ref. No. |
|------------------|---|--------------------|--------------------|-------------------|-------------------|--------------------|--------------------|-----------------|---------------|
| Security Evo III | Partition formed from wall panels supported by existing adjacent walls <sup>1</sup>             | 1.8                | 2.35               | 0.8               | Unlimited         | N/A                | N/A                | 3               | 1034c/01      |
|                  | Partition formed from wall and ceiling panels supported by existing adjacent walls <sup>1</sup> | 1.9                | 2.7                | 0.8               | Unlimited         | 1.1                | Unlimited          | 3               |               |
| Security Evo IV  | Partition formed from wall panels supported by existing adjacent walls <sup>1</sup>             | 1.8                | 2.35               | 0.8               | Unlimited         | N/A                | N/A                | 4               | 1034c/02      |
|                  | Partition formed from wall and ceiling panels supported by existing adjacent walls <sup>1</sup> | 1.9                | 2.7                | 0.8               | Unlimited         | 1.1                | Unlimited          | 4               |               |
| Security Evo V   | Partition formed from wall panels supported by existing adjacent walls <sup>1</sup>             | 1.8                | 2.35               | 0.8               | Unlimited         | N/A                | N/A                | 5               | 1034c/03      |
|                  | Partition formed from wall and ceiling panels supported by existing adjacent walls <sup>1</sup> | 1.9                | 2.7                | 0.8               | Unlimited         | 1.1                | Unlimited          | 5               |               |
| Security Evo VI  | Partition formed from wall panels supported by existing adjacent walls <sup>1</sup>             | 1.8                | 2.35               | 0.8               | Unlimited         | N/A                | N/A                | 6               | 1034c/04      |

## **PART 4: SECTION 5.9**

### **SECURE WALLING SYSTEMS**

| <b>Product Name</b> | <b>Type</b>   | <b>Minimum Height (m)</b> | <b>Maximum Height (m)</b> | <b>Minimum Width (m)</b> | <b>Maximum Width (m)</b> | <b>Minimum Length (m)</b> | <b>Maximum Length (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|---------------------|---|---------------------------|---------------------------|--------------------------|--------------------------|---------------------------|---------------------------|------------------------|----------------------|
|                     | Partition formed from wall and ceiling panels supported by existing adjacent walls <sup>1</sup> | 1.9                       | 2.7                       | 0.8                      | Unlimited                | 1.1                       | Unlimited                 | 6                      |                      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### **RCS Manufacturing Limited**

Unit 2, Weston Works, Tyseley, Birmingham, West Midlands B11 3RP, United Kingdom

Tel: +44 (0)121 706 0222 • Fax: +44 (0)121 765 4585

E-mail: [sales@rcsm.co.uk](mailto:sales@rcsm.co.uk)

#### **For sales enquiries, please contact:**

Remtech (Computer Security) Limited, PO Box 60, Epsom, Surrey KT17 2YT, United Kingdom

Tel: +44 (0)208 786 8787

E-mail: [sales@remtech.com](mailto:sales@remtech.com) • Website: [www.modusec.com](http://www.modusec.com)

Certificate No: 1103b to LPS 1175: Issue 7

#### **Secure Partition Walling System<sup>1</sup>**

| <b>Product Name</b> | <b>Type</b>   | <b>Minimum Height (m)</b> | <b>Maximum Height (m)</b> | <b>Minimum Width (m)</b> | <b>Maximum Width (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|---------------------|---|---------------------------|---------------------------|--------------------------|--------------------------|------------------------|----------------------|
| Modusec Level 1     | Partition formed from wall panels supported by existing adjacent walls <sup>2</sup> | 1.8                       | 6.0                       | 0.4 <sup>3</sup>         | Unlimited                | 1                      | 1103b/01             |
| Modusec Level 2     | Partition formed from wall panels supported by existing adjacent walls <sup>2</sup> | 1.8                       | 6.0                       | 0.4 <sup>3</sup>         | Unlimited                | 2                      | 1103b/02             |
| Modusec Level 3     | Partition formed from wall panels supported by existing adjacent walls <sup>2</sup> | 1.8                       | 6.0                       | 0.4 <sup>3,4</sup>       | Unlimited                | 3                      | 1103b/03             |
| Modusec Level 4     | Partition formed from wall panels supported by existing adjacent walls <sup>2</sup> | 1.8                       | 6.0                       | 0.4 <sup>3,4</sup>       | Unlimited                | 4                      | 1103b/04             |
| Modusec Level 5     | Partition formed from wall panels supported by existing adjacent walls <sup>2</sup> | 1.8                       | 6.0                       | 0.447 <sup>3,4</sup>     | Unlimited                | 5                      | 1103b/05             |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### **Steelway Fensecure Limited**

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E-mail: [sales@steelwaybrickhouse.co.uk](mailto:sales@steelwaybrickhouse.co.uk) • Website: [www.steelway.co.uk](http://www.steelway.co.uk)

Certificate No: 1071c to LPS 1175: Issue 7

**PART 4: SECTION 5.9****SECURE WALLING SYSTEMS****Secure Partition Walling System**

| Product Name                                | Product Type  | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Minimum Length (m) | Maximum Length (m) | Security Rating | LPCB Ref. No. |
|---|---|--------------------|--------------------|-------------------|-------------------|--------------------|--------------------|-----------------|---------------|
| Steelway Level 1 Security Mesh Panel System | Partition formed from wall panels supported by existing adjacent walls <sup>1</sup>             | 0.5 <sup>2</sup>   | 3.8                | 0.5 <sup>3</sup>  | Unlimited         | N/A                | N/A                | 1               | 1071c/01      |
|   | Partition formed from wall and ceiling panels supported by existing adjacent walls <sup>1</sup> | 0.61 <sup>4</sup>  | 3.91               | 0.5 <sup>3</sup>  | Unlimited         | 0.5                | 4.0                | 1               |               |
|   | Ceiling formed from ceiling panels  | N/A                | N/A                | 0.5               | Unlimited         | 0.5                | 4.0                | 1               |               |
| Steelway Level 2 Security Mesh Panel System | Partition formed from wall panels supported by existing adjacent walls <sup>1</sup>             | 0.5 <sup>2</sup>   | 3.8                | 0.5 <sup>3</sup>  | Unlimited         | N/A                | N/A                | 2               | 1071c/02      |
|   | Partition formed from wall and ceiling panels supported by existing adjacent walls <sup>1</sup> | 0.61 <sup>4</sup>  | 3.91               | 0.5 <sup>3</sup>  | Unlimited         | 0.5                | 4.0                | 2               |               |
|   | Ceiling formed from ceiling panels  | N/A                | N/A                | 0.5               | Unlimited         | 0.5                | 4.0                | 2               |               |
| Steelway Level 3 Security Mesh Panel System | Partition formed from wall panels supported by existing adjacent walls <sup>1</sup>             | 0.5 <sup>2</sup>   | 3.8                | 0.5 <sup>3</sup>  | Unlimited         | N/A                | N/A                | 3               | 1071c/03      |
|   | Partition formed from wall and ceiling panels supported by existing adjacent walls <sup>1</sup> | 0.61 <sup>4</sup>  | 3.91               | 0.5 <sup>3</sup>  | Unlimited         | 0.5                | 4.0                | 3               |               |
|   | Ceiling formed from ceiling panels  | N/A                | N/A                | 0.5               | Unlimited         | 0.5                | 4.0                | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Certificate No: 1071f to LPS 1175: Issue 7**

## **PART 4: SECTION 5.9**

### **SECURE WALLING SYSTEMS**

#### **Secure Partition Walling System**

| <b>Product Name</b>                          | <b>Product Type</b>   | <b>Minimum Height (m)</b> | <b>Maximum Height (m)</b> | <b>Minimum Width (m)</b> | <b>Maximum Width (m)</b> | <b>Minimum Length (m)</b> | <b>Maximum Length (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|--|---|---------------------------|---------------------------|--------------------------|--------------------------|---------------------------|---------------------------|------------------------|----------------------|
| Steelway Level 4 Security Solid Panel System | Partition formed from wall panels supported by existing adjacent walls <sup>1</sup>             | 0.5 <sup>2</sup>          | 3.8                       | 0.5 <sup>3</sup>         | Unlimited                | N/A                       | N/A                       | 4                      | 1071f/01             |
|  | Partition formed from wall and ceiling panels supported by existing adjacent walls <sup>1</sup> | 0.61 <sup>4</sup>         | 3.91                      | 0.5 <sup>3</sup>         | Unlimited                | 0.5                       | 4.0                       | 4                      |                      |
|  | Ceiling formed from ceiling panels  | N/A                       | N/A                       | 0.5                      | Unlimited                | 0.5                       | 4.0                       | 4                      |                      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### **Sunray Engineering Limited**

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Tel: +44 (0)1233 639039 • Fax: +44 (0)1233 625137

E-mail: [sales@sunraydoors.co.uk](mailto:sales@sunraydoors.co.uk) • Website: [www.sunraydoors.co.uk](http://www.sunraydoors.co.uk)

Certificate No: 234i to LPS 1175: Issue 7

#### **Secure Partition Walling System<sup>1</sup>**

| <b>Product Name</b>        | <b>Type</b>   | <b>Minimum Height (m)</b> | <b>Maximum Height (m)</b> | <b>Minimum Width (m)</b> | <b>Maximum Width (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|----------------------------|---|---------------------------|---------------------------|--------------------------|--------------------------|------------------------|----------------------|
| ExcluWall Walling System 2 | Partition formed from louvred wall panels supported by existing adjacent walls <sup>2</sup> | 0.715 <sup>3</sup>        | 5.0                       | 0.315 <sup>4</sup>       | Unlimited                | 2                      | 234i/01              |
| ExcluWall Walling System 3 | Partition formed from louvred wall panels supported by existing adjacent walls <sup>2</sup> | 0.715 <sup>3</sup>        | 5.0                       | 0.315 <sup>4</sup>       | Unlimited                | 3                      | 234i/02              |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### **Technocover Limited (incorporating TechnoRail and Strataform)**

Henfaes Lane, Welshpool, Powys SY21 7BE, United Kingdom

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Certificate No: 450k to LPS 1175: Issue 7



## PART 4: SECTION 5.9

### SECURE WALLING SYSTEMS

#### Secure Partition Walling System

| Product Name                           | Product Type   | Minimum Height (m) | Maximum Height (m) | Minimum Width (m) | Maximum Width (m) | Minimum Length (m) | Maximum Length (m) | Security Rating | LPCB Ref. No. |
|--|--|--------------------|--------------------|-------------------|-------------------|--------------------|--------------------|-----------------|---------------|
| Ultrasecure Security Mesh Panel System | Partition formed from wall panels supported by existing adjacent walls             | 0.5 <sup>1</sup>   | 6.0                | 0.5 <sup>2</sup>  | Unlimited         | N/A                | N/A                | 3               | 450k/01       |
|  | Partition formed from wall and ceiling panels supported by existing adjacent walls | 0.5 <sup>1</sup>   | 6.0                | 0.5 <sup>2</sup>  | Unlimited         | 0.5 <sup>2</sup>   | 6.0                | 3               |               |
|  | Ceiling formed from ceiling panels   | N/A                | N/A                | 0.5               | Unlimited         | 0.5                | 6.0                | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### The Expanded Metal Company Limited

P.O.Box 14, Longhill Industrial Estate (North), Hartlepool TS25 1PR, United Kingdom

Tel: +44 (0)1429 867 388 • Fax: +44 (0)1429 866 795

E-mail: [sales@exmesh.co.uk](mailto:sales@exmesh.co.uk) • Website: [www.expandedmetalfencing.co.uk](http://www.expandedmetalfencing.co.uk)

Certificate No: 731b to LPS 1175: Issue 7

#### Secure Partition Walling Systems

| Product Name            | Type                  | Minimum Wall Height (m) | Maximum Wall Height (m) | Minimum Wall Width (m) | Maximum Wall Width (m) | Security Rating <sup>2</sup> | LPCB Ref. No. |
|-------------------------|-----------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------------|---------------|
| Securilath HD1 Standard | Partition wall system | 1.2                     | 3.0                     | 0.6                    | N/A <sup>1</sup>       | 2                            | 731b/01       |
| Securilath HD1-PB       | Partition wall system | 1.2                     | 3.0                     | 0.6                    | N/A <sup>1</sup>       | 1                            | 731b/02       |
| Securilath MD1          | Partition wall system | 1.2                     | 3.0                     | 0.6                    | N/A <sup>1</sup>       | 1                            | 731b/03       |
| Securilath HD1 Twin     | Partition wall system | 1.2                     | 3.0                     | 0.6                    | N/A <sup>1</sup>       | 3                            | 731b/04       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### Warrior Doors Limited

Unit 4, Kings Road Industrial Estate, Tyseley, Birmingham, West Midlands B11 2AX, United Kingdom

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E-mail: [redbook@warrordoors.co.uk](mailto:redbook@warrordoors.co.uk) • Website: [www.warrordoors.co.uk](http://www.warrordoors.co.uk)

Certificate No: 1045b to LPS 1175: Issue 7

## **PART 4: SECTION 5.9**

### **SECURE WALLING SYSTEMS**

#### **Modular Security Screen**

| <b>Product Name</b> | <b>Type</b>   | <b>Minimum Height (m)</b> | <b>Maximum Height (m)</b> | <b>Minimum Width (m)</b> | <b>Maximum Width (m)</b> | <b>Minimum Depth (m)</b> | <b>Maximum Depth (m)</b> | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|---------------------|---|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|----------------------|
| Warrior Screen      | Partition formed from wall panels supported by existing adjacent walls <sup>1</sup>             | 0.364 <sup>2</sup>        | 6.20                      | 0.364 <sup>3</sup>       | Unlimited                | N/A                      | N/A                      | 4                      | 1045b/01             |
|                     | Partition formed from wall and ceiling panels supported by existing adjacent walls <sup>1</sup> | 0.364 <sup>4</sup>        | 6.20                      | 0.364 <sup>3</sup>       | Unlimited                | 0.364 <sup>3</sup>       | Unlimited                | 4                      |                      |
|                     | Ceiling formed from ceiling panels  | N/A                       | N/A                       | 0.364                    | Unlimited                | 0.364                    | Unlimited                | 4                      |                      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Roofing systems listed in this section are approved to LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*

In order to comply with the terms of the approval, the roofing systems should be designed and installed in accordance with the relevant system manuals noted within the product entry. The styles of tile/panel included within the scope of approval, the range of roof pitches to which they can be fitted and the accessories that are covered by the scope of approval are also noted in each product entry.

**Icopal S. A.**

Parc Industriel des Hauts Sarts, Rue de Hermee 186, Herstal, Belgium

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Certificate No: 834a to LPS 1175: Issue 5.3

**Security Roof Tiling Systems**

| Product Name   | Overall Tile Size (mm) | Tile Cover (mm) | Security Rating | LPCB Ref. No. |
|----------------|------------------------|-----------------|-----------------|---------------|
| Decra Classic  | 1324 x 410             | 1260 x 370      | 1               | 834a/01       |
| Decra Stratos  | 1290 x 360             | 1230 x 320      | 1               | 834a/02       |
| Decra Elegance | 1324 x 410             | 1260 x 370      | 1               | 834a/03       |
| Decra Plus     | 1324 x 410             | 1260 x 368      | 1               | 834a/04       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 5.11**

### **SECURITY GLAZING**

This section includes security glazing that has been approved to one or more of the following standards:

- LPS 1270: Issue 1 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant security glazing units*
- EN 356: 2000 *Glass in Building - Security Glazing. Testing and classification of resistance against manual attack*
- EN 1063: 2000 *Glass in building. Security Glazing. Testing and classification of resistance against bullet attack.*

LPS 1270 was developed because it was considered the method for classifying the attack resistance of security glazing specified within the current European standard (EN 356: 2000) was incompatible with that employed within LPS 1175: Issue 7 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*. This was because:

- EN 356: 2000 does not classify glass according to its resistance to different levels of attack based on the tools and time available to an intruder.
- The tests contained within EN 356: 2000 do not evaluate the glass's susceptibility to attacks involving the creation of small holes through which locking hardware may be manipulated and/or protected items, such as items on display within shop windows or display cases, may be removed.

The LPS 1270 classification system contains three digits. Each digit describes the glazing's resistance to creation of a different size of hole, as described in the table below.

| <b>Digit</b>    | <b>Type</b>       | <b>Test Block</b>  | <b>Notes</b>  |
|-----------------|-------------------|--|---|
| 1 <sup>st</sup> | Local penetration | 8 mm (+3 mm/-0 mm) by 25 mm (+3 mm/-0 mm) rectangular section                            | Represents the glazing's likely resistance to creation of a hole through which a piece of wire, screwdriver, lever or other such device can be passed. Such an attack may be attempted by an intruder wishing to operate a panic bar, emergency lever handle or other non-deadlocked device capable of releasing the boltwork on the item in which the glazing is mounted or on an item directly adjacent to that in which the glazing is mounted.  |
| 2 <sup>nd</sup> | Hand hole         | 60 mm (+3 mm/-0 mm) diameter   | Represents the glazing's likely resistance to creation of a hand hole. Such an attack may be attempted by an intruder wishing to: <ul style="list-style-type: none"><li>• Operate a thumbturn to release the boltwork on the item in which the glazing is mounted or on an item directly adjacent to that in which the glazing is mounted.</li><li>• Retrieve an item from the protected side of the glass e.g. an item on display behind a shop window, a set of door keys or a set of car keys.</li></ul> |
| 3 <sup>rd</sup> | Complete access   | Elliptical section of 400 mm (+3 mm/-0 mm) major axis by 225 mm (+3 mm/-0 mm) minor axis | This reflects the size of aperture specified in LPS 1175: Issue 7. The digit confirms the glazing's resistance to creation of a hole through which an elliptical test block measuring 400 mm by 225 mm may be passed. This replicates the size a person may be able to pass through and reflects the test block defined in LPS 1175: Issue 7.   |

**ESG Group Limited**

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Certificate No: 997a to LPS 1270: Issue 1

**Laminated Security Glazing**

| Product Name   | Type   | Nominal Total Thickness (mm) | Nominal Weight (kg/m <sup>2</sup> ) | Security Rating | LPCB Ref. No. |
|----------------|--|------------------------------|-------------------------------------|-----------------|---------------|
| ESG Secure 001 | Laminated single glazing unit <sup>1,2,3</sup> | 16.5                         | 37                                  | 001             | 997a/09       |
| ESG Secure 012 | Laminated single glazing unit <sup>1,2,3</sup> | 20.5                         | 38                                  | 012             | 997a/10       |
| ESG Secure 013 | Laminated single glazing unit <sup>1,2,3</sup> | 22.5                         | 41                                  | 013             | 997a/11       |
| ESG Secure 123 | Laminated single glazing unit <sup>1,2,3</sup> | 26.5                         | 46                                  | 123             | 997a/12       |
| ESG Secure 113 | Laminated single glazing unit <sup>1,2,3</sup> | 34                           | 61                                  | 113             | 997a/13       |
| ESG Secure 224 | Laminated single glazing unit <sup>1,2,3</sup> | 42                           | 72                                  | 224             | 997a/14       |
| ESG Secure 234 | Laminated single glazing unit <sup>1,2,3</sup> | 45                           | 71                                  | 234             | 997a/15       |
| ESG Secure 235 | Laminated single glazing unit <sup>1,2,3</sup> | 60                           | 100                                 | 235             | 997a/16       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Hamilton Erskine Limited**

17 Moss Road, Ballygowan, Newtownards, County Down BT23 6JQ, United Kingdom  
Tel: +44 (0)28 9752 1754 • Fax: +44 (0)28 9752 1024  
E-mail: info@tecdur.com • Website: www.tecdur.com

Certificate No: 1100a to LPS 1270: Issue 1

**Laminated Security Glazing**

| Product Name          | Type   | Nominal Total Thickness (mm) <sup>1</sup> | Nominal Weight (kg/m <sup>2</sup> ) | Security Rating | LPCB Ref. No. |
|-----------------------|--|---|-------------------------------------|-----------------|---------------|
| Tecdur TSG SC12       | Laminated single glazed unit                               | 12  | 19                                  | 112             | 1100a/01      |
| Tecdur TSG SC12 DGU   | Laminated double glazed unit                               | 30.4                                      | 34                                  | 112             | 1100a/02      |
| Tecdur TSG SC14       | Laminated single glazed unit                               | 14  | 22                                  | 123             | 1100a/03      |
| Tecdur TSG SC14 DGU   | Laminated double glazed unit                               | 32.4                                      | 37                                  | 123             | 1100a/04      |
| Tecdur TSG SC40 BR4NS | Laminated single glazed unit                               | 40  | 55.8                                | 235             | 1100a/05      |
| Tecdur TSG DC51GG     | Laminated single glazed unit incorporating G1 grid pattern | 51  | 94                                  | 246             | 1100a/06      |
|                       | Laminated single glazed unit incorporating G2 grid pattern | 51  | 97                                  | 246             |               |
|                       | Laminated single glazed unit incorporating G3 grid pattern | 51  | 99                                  | 246             |               |
|                       | Laminated single glazed unit incorporating G4 grid pattern | 51  | 90                                  | 246             |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## PART 4: SECTION 6

### ACCESS COVERS AND HATCHES

Many important facilities, especially those of utility companies, are unmanned and remote from the main business. At the request of the utility companies, access covers protecting items such as valves, switchgear and meters are now security rated to provide protection against malicious attack.

LPCB approves access covers to LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*. The approval procedures and conditions that apply to access covers are the same as those that apply to security doors and shutters.

It is important that specifiers only select access covers that are covered by the scope detailed on the certificate since products that fall outside that scope may not provide an equivalent level of security.

It is also important to ensure that the products are installed in accordance with the manufacturer's instructions and that all exposed fixings, the substrate into which the device is fitted and the locking mechanisms are regularly checked to ensure that they are in good condition and that they have not been tampered with.

#### EJ Ardennes

ZA de Braux, Rue des Aulnes, 08120 Bogny sur Meuse, France

Tel: +33 (0)3 24 52 37 37 • Fax: +33 (0)3 24 32 02 10

E-mail: [emea.sales@ejco.com](mailto:emea.sales@ejco.com) • Website: [www.ejco.com](http://www.ejco.com)

Certificate No: 1187a to LPS 1175: Issue 7

#### Horizontal Access Covers

| Product Name   | Type  | Minimum Width <sup>1</sup> of Internal Opening (m) | Maximum Width <sup>1</sup> of Internal Opening (m) | Minimum Length <sup>2</sup> of Internal Opening (m) | Maximum Length <sup>2</sup> of Internal Opening (m) | Compatible Padlocks | Security Rating <sup>3</sup> | LPCB Ref. No. |
|----------------|---|--|--|---|---|---------------------|------------------------------|---------------|
| Defenso AG SR4 | Single leaf horizontal hinged upstand access cover          | 0.3  | 1.1  | 0.3   | 1.1   | A to D              | 4                            | 1187a/01      |
|                | Twin leaf end-hinged horizontal upstand access cover        | 1.1  | 2.0  | 1.1   | 1.8   | A to D              | 4                            |               |
|                | Multi-leaf in-line hinged horizontal upstand access cover   | 0.6  | 1.1  | 1.1   | Unlimited   | A to D              | 4                            |               |
| Defenso FF SR3 | Single leaf horizontal hinged flush-fit access cover        | 0.3  | 1.1  | 0.3   | 1.2   | A to D              | 3                            | 1187a/02      |
|                | Twin leaf end-hinged horizontal flush-fit access cover      | 1.0  | 2.0  | 1.0   | 1.2   | A to D              | 3                            |               |
|                | Multi-leaf in-line hinged horizontal flush-fit access cover | 0.3  | 1.0  | 1.0   | Unlimited   | A to D              | 3                            |               |
| Defenso FF SR4 | Single leaf horizontal hinged flush-fit access cover        | 0.3  | 1.1  | 0.3   | 1.2   | A to D              | 4                            | 1187a/03      |

**PART 4: SECTION 6**  
ACCESS COVERS AND HATCHES

| Product Name | Type  | Minimum Width <sup>1</sup> of Internal Opening (m) | Maximum Width <sup>1</sup> of Internal Opening (m) | Minimum Length <sup>2</sup> of Internal Opening (m) | Maximum Length <sup>2</sup> of Internal Opening (m) | Compatible Padlocks | Security Rating <sup>3</sup> | LPCB Ref. No. |
|--------------|---|--|--|---|---|---------------------|------------------------------|---------------|
|              | Twin leaf end-hinged horizontal flush-fit access cover      | 1.0  | 2.0  | 1.0   | 1.2   | A to D              | 4                            |               |
|              | Multi-leaf in-line hinged horizontal flush-fit access cover | 0.3  | 1.0  | 1.0   | Unlimited   | A to D              | 4                            |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Hugslock Systems Limited

10 Bakers View, Corfe Mullen, Wimborne, Dorset BH21 3JS, United Kingdom  
 Tel: +44 (0)1202 987144 • Fax: +44 (0)1543 440440  
 E-mail: [denise.huggett@hugslock.com](mailto:denise.huggett@hugslock.com) • Website: [www.hugslock.com](http://www.hugslock.com)

Certificate No: 1311a to LPS 1175: Issue 7

#### Horizontal Access Covers

| Product Name                             | Type                              | Width of Internal Opening (mm) | Length of Internal Opening (mm) | Security Rating | LPCB Ref. No. |
|--|-----------------------------------|--------------------------------|---------------------------------|-----------------|---------------|
| Hugslock System Intelligent Access Cover | Single leaf recessed access cover | 300                            | 300                             | 3               | 1311a/01      |
|  | Single leaf recessed access cover | 380                            | 230                             | 3               |               |
|  | Single leaf recessed access cover | 450                            | 300                             | 3               |               |
|  | Single leaf recessed access cover | 450                            | 450                             | 3               |               |
|  | Single leaf recessed access cover | 550                            | 315                             | 3               |               |
|  | Single leaf recessed access cover | 600                            | 450                             | 3               |               |
|  | Single leaf recessed access cover | 725                            | 255                             | 3               |               |
|  | Twin leaf recessed access cover   | 610                            | 610                             | 3               | 1311a/02      |
|  | Twin leaf recessed access cover   | 750                            | 600                             | 3               |               |
|  | Triple leaf recessed access cover | 915                            | 445                             | 3               | 1311a/03      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Northstone NI Limited T/A CUBIS Industries

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 Tel: +44 (0)283 831 3100 • Fax: +44 (0)283 831 7770  
 E-mail: [info@cubisindustries.com](mailto:info@cubisindustries.com) • Website: [www.cubisindustries.com](http://www.cubisindustries.com)

Certificate No: 1294a to LPS 1175: Issue 7

## PART 4: SECTION 6

### ACCESS COVERS AND HATCHES

#### Horizontal Access Covers

| Product Name | Type   | Minimum Width <sup>1</sup> of Internal Opening (m) | Maximum Width <sup>1</sup> of Internal Opening (m) | Minimum Length <sup>2</sup> of Internal Opening (m) | Maximum Length <sup>2</sup> of Internal Opening (m) | Compatible Padlocks | Security Rating | LPCB Ref. No. |
|--------------|--|--|--|---|---|---------------------|-----------------|---------------|
| Citadel      | Single leaf horizontal hinged upstand access cover         | 0.6  | 1.2  | 0.6   | 1.2   | A to C              | 4               | 1294a/01      |
|              | Twin leaf in-line hinged horizontal upstand access cover   | 0.6  | 1.2  | 1.2   | 2.4   | A to C              | 4               |               |
|              | Triple leaf in-line hinged horizontal upstand access cover | 0.6  | 1.2  | 2.4   | 3.6   | A to C              | 4               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### Peter Savage Limited

Liberty House, Liberty Business Park, Attleborough, Nuneaton, Warwickshire CV11 6RZ, United Kingdom

Tel: +44 (0)24 7664 1777 • Fax: +44 (0)24 7637 5250

E-mail: [sales@peter-savage.co.uk](mailto:sales@peter-savage.co.uk) • Website: [www.peter-savage.co.uk](http://www.peter-savage.co.uk)

Certificate No: 989a to LPS 1175: Issue 7

#### Horizontal Access Covers

| Product Name                | Type  | Minimum Width <sup>1</sup> of Internal Opening (mm) | Maximum Width <sup>1</sup> of Internal Opening (mm) | Minimum Length <sup>2</sup> of Internal Opening (mm) | Maximum Length <sup>2</sup> of Internal Opening (mm) | Compatible Padlocks | Security Rating <sup>3,4,5</sup> | LPCB Ref. No. |
|-----------------------------|---|---|---|--|--|---------------------|----------------------------------|---------------|
| Garrison Flush TopLOK LPC3  | Single leaf horizontal flush-fitting access cover               | 300   | 1200  | 300  | 1500   | A to J              | 3                                | 989a/02       |
|                             | Twin leaf horizontal in-line hinged flush-fitting access cover  | 300   | 1200  | 600  | 3000   | A to J              | 3                                |               |
|                             | Multi leaf horizontal in-line hinged flush-fitting access cover | 300   | 1200  | 600  | Unlimited  | A to J              | 3                                |               |
| Garrison Hybrid TopLOK LPC3 | Single leaf horizontal upstand access cover                     | 300   | 1200  | 300  | 1500   | A to J              | 3                                | 989a/04       |
|                             | Twin leaf horizontal in-line hinged upstand access cover        | 300   | 1200  | 600  | 3000   | A to J              | 3                                |               |
|                             | Multi leaf horizontal in-line hinged upstand access cover       | 300   | 1200  | 600  | Unlimited  | A to J              | 3                                |               |



**PART 4: SECTION 6**  
ACCESS COVERS AND HATCHES

| Product Name                   | Type  | Minimum Width <sup>1</sup> of Internal Opening (mm) | Maximum Width <sup>1</sup> of Internal Opening (mm) | Minimum Length <sup>2</sup> of Internal Opening (mm) | Maximum Length <sup>2</sup> of Internal Opening (mm) | Compatible Padlocks | Security Rating <sup>3,4,5</sup> | LPCB Ref. No. |
|--------------------------------|---|---|---|--|--|---------------------|----------------------------------|---------------|
| Garrison Flush TopLOK LPC4     | Single leaf horizontal flush-fitting access cover               | 300   | 1200  | 300  | 1500   | A and C to H        | 4                                | 989a/03       |
|                                | Twin leaf horizontal in-line hinged flush-fitting access cover  | 300   | 1200  | 600  | 3000   | A and C to H        | 4                                |               |
|                                | Multi leaf horizontal in-line hinged flush-fitting access cover | 300   | 1200  | 600  | Unlimited  | A and C to H        | 4                                |               |
| Garrison Hybrid TopLOK LPC4    | Single leaf horizontal upstand access cover                     | 300   | 1200  | 300  | 1500   | A and C to H        | 4                                | 989a/05       |
|                                | Twin leaf horizontal in-line hinged upstand access cover        | 300   | 1200  | 600  | 3000   | A and C to H        | 4                                |               |
|                                | Multi leaf horizontal in-line hinged upstand access cover       | 300   | 1200  | 600  | Unlimited  | A and C to H        | 4                                |               |
| Garrison Upstand SlideLOK LPC4 | Single leaf horizontal upstand access cover                     | 450   | 1200  | 450  | 1450   | A to D, G and H     | 4                                | 989a/01       |
|                                | Twin leaf horizontal in-line hinged upstand access cover        | 450   | 1200  | 900  | 2900   | A to D, G and H     | 4                                |               |
| Garrison Upstand TopLOK LPC4   | Single leaf horizontal upstand access cover                     | 300   | 1200  | 300  | 1800   | A and C to H        | 4                                | 989a/06       |
|                                | Twin leaf horizontal in-line hinged upstand access cover        | 300   | 1200  | 600  | 3600   | A and C to H        | 4                                |               |
|                                | Twin leaf horizontal end hinged upstand access cover            | 600   | 2400  | 300  | 1800   | A and C to H        | 4                                |               |
|                                | Quad leaf horizontal upstand access cover                       | 1200  | 2400  | 1200   | 3600   | A and C to H        | 4                                |               |
|                                | Multi leaf horizontal in-line hinged upstand access cover       | 300   | 1200  | 600  | Unlimited  | A and C to H        | 4                                |               |
|                                | Multi leaf horizontal end hinged upstand access cover           | 600   | 2400  | 300  | Unlimited  | A and C to H        | 4                                |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## PART 4: SECTION 6

### ACCESS COVERS AND HATCHES

#### PSF Wales Limited

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E-mail: sales@psfwales.co.uk • Website: www.psfwales.co.uk

Certificate No: 953i to LPS 1175: Issue 7

#### Horizontal Access Covers

| Product Name | Type  | Minimum Width <sup>1</sup> of Internal Opening (mm) | Maximum Width <sup>1</sup> of Internal Opening (mm) | Minimum Length <sup>2</sup> of Internal Opening (mm) | Maximum Length <sup>2</sup> of Internal Opening (mm) | Compatible Padlocks | Security Rating <sup>3</sup> | LPCB Ref. No. |
|--------------|---|---|---|--|--|---------------------|------------------------------|---------------|
| Trojan 3     | Single leaf horizontal upstand access cover               | 400   | 2000  | 400  | 1200   | A and B             | 3                            | 953i/01       |
|              | Multi leaf horizontal in-line hinged upstand access cover | 400   | 2000  | 800  | Unlimited  | A and B             | 3                            |               |
| Trojan 4     | Single leaf horizontal upstand access cover               | 400   | 2000  | 400  | 1200   | B                   | 4                            | 953i/02       |
|              | Multi leaf horizontal in-line hinged upstand access cover | 400   | 2000  | 800  | Unlimited  | B                   | 4                            |               |
|              |   |   |   |  |  |                     |                              |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### Saint Gobain PAM UK Limited

Holwell Works, Welby Road, Asfordby Hill, Melton Mowbray, Leicestershire LE14 3RE, United Kingdom

Tel: +44 (0)1159 305 000 • Fax: +44 (0)1159 300 638

E-mail: sales.uk.pam@saint-gobain.com • Website: www.saint-gobain-pam.co.uk

Certificate No: 1303a to LPS 1175: Issue 7

#### Horizontal Access Covers

| Product Name          | Type   | Width <sup>1</sup> of Internal Opening (mm) | Length <sup>2</sup> of Internal Opening (mm) | Compatible Locking Systems | Security Rating | LPCB Ref. No. |
|-----------------------|--|---|--|----------------------------|-----------------|---------------|
| OPT-Emax-T-LOK Type A | Quad leaf flush-fitting ductile iron horizontal access cover | 900   | 1340   | 1                          | 3               | 1303a/01      |
| OPT-Emax-T-LOK Type B | Twin leaf flush-fitting ductile iron horizontal access cover | 750   | 700  | 1                          | 3               | 1303a/02      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**Steelway Fensecure Limited t/a Steelway Brickhouse**

Brickhouse Lane, West Bromwich, West Midlands B70 0DY, United Kingdom

Tel: +44 (0)121 521 4524 • Fax: +44 (0)121 521 4551

E-mail: aoliver@steelway.co.uk • Website: www.steelway.co.uk

Certificate No: 645b to LPS 1175: Issue 7

**Horizontal Access Covers**

| Product Name    | Type   | Minimum Width <sup>1</sup> of Internal Opening (mm) | Maximum Width <sup>1</sup> of Internal Opening (mm) | Minimum Length <sup>1</sup> of Internal Opening (mm) | Maximum Length <sup>1</sup> of Internal Opening (mm) | Compatible Padlocks | Security Rating <sup>2</sup> | LPCB Ref. No. |
|-----------------|--|---|---|--|--|---------------------|------------------------------|---------------|
| Briplate SUB    | Single leaf undercover access cover            | 475   | 1800  | 475  | 1800   | A                   | 3                            | 645b/01       |
| Multi-Guard 3   | Single leaf flush-fitting access cover         | 450   | 2000  | 450  | 1200   | A                   | 3                            | 645b/02       |
|                 | Twin end-hinged flush-fitting access cover     | 1050  | 2700  | 450  | 2000   | A                   | 3                            |               |
|                 | Triple end-hinged flush-fitting access cover   | 1250  | 4300  | 450  | 2000   | A                   | 3                            |               |
|                 | Multiple leaf flush-fitting access cover       | 1050  | 4300  | 900  | Unlimited  | A                   | 3                            |               |
| Multi-Guard V3  | Single leaf flush-fitting access cover         | 450   | 2000  | 450  | 1200   | A                   | 3                            | 645b/03       |
|                 | Twin end-hinged flush-fitting access cover     | 1050  | 2700  | 450  | 2000   | A                   | 3                            |               |
|                 | Triple end-hinged flush-fitting access cover   | 1250  | 4300  | 450  | 2000   | A                   | 3                            |               |
|                 | Multiple leaf flush-fitting access cover       | 1050  | 4300  | 900  | Unlimited  | A                   | 3                            |               |
| Sentry          | Single leaf upstand access cover               | 300   | 1100  | 300  | 1200   | A to D              | 3                            | 645b/04       |
|                 | Twin leaf in-line hinged upstand access cover  | 1200  | 2200  | 600  | 1000   | A to D              | 3                            |               |
|                 | Twin leaf end-line hinged upstand access cover | 600   | 1500  | 1200   | 2200   | A to D              | 3                            |               |
| Sentry Lift-Off | Single leaf lift-off upstand access cover      | 450   | 3400  | 450  | 7400   | N/A                 | 3                            | 645b/05       |
|                 | Multiple leaf lift-off upstand access cover    | 900   | Unlimited   | 450  | 7400   | N/A                 | 3                            |               |
|                 | Single leaf lift-off upstand access cover      | 450   | 3400  | 450  | 7400   | N/A                 | 4                            | 645b/06       |
|                 | Multiple leaf lift-off upstand access cover    | 900   | Unlimited   | 450  | 7400   | N/A                 | 4                            |               |

## PART 4: SECTION 6

### ACCESS COVERS AND HATCHES

| Product Name | Type                             | Minimum Width <sup>1</sup> of Internal Opening (mm) | Maximum Width <sup>1</sup> of Internal Opening (mm) | Minimum Length <sup>1</sup> of Internal Opening (mm) | Maximum Length <sup>1</sup> of Internal Opening (mm) | Compatible Padlocks | Security Rating <sup>2</sup> | LPCB Ref. No. |
|--------------|----------------------------------|---|---|--|--|---------------------|------------------------------|---------------|
| Sentry Mk2   | Single leaf upstand access cover | 475   | 1200  | 475  | 1200   | A to C              | 4                            | 645b/07       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### Technocover Limited (incorporating TechnoRail and Strataform)

Henfaes Lane, Welshpool, Powys SY21 7BE, United Kingdom

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E-mail: [techadvice@technocover.co.uk](mailto:techadvice@technocover.co.uk) • Website: [www.technocover.co.uk](http://www.technocover.co.uk)

Certificate No: 450a to LPS 1175: Issue 5

#### Horizontal Access Covers

| Product Name                                  | Type   | Minimum Internal Opening Length (mm) | Maximum Internal Opening Length (mm) | Minimum Internal Opening Width (mm) | Maximum Internal Opening Width (mm) | Security Rating | LPCB Ref. No. |
|---|--|--------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|-----------------|---------------|
| Ultra Secure DV                               | Single leaf horizontal access cover <sup>8</sup> | 150                                  | 1100                                 | 150                                 | 1100                                | 4               | 450a/01       |
| Ultra Secure DV (Small Lock)                  | Single leaf horizontal access cover <sup>8</sup> | 150                                  | 1100                                 | 150                                 | 1100                                | 4               | 450a/02       |
| Ultra Secure DV4 Twin Leaf (End Hinged)       | Twin leaf horizontal access cover <sup>8</sup>   | 1100                                 | 2200                                 | 1100                                | 1800                                | 4               | 450a/04       |
| Ultra Secure DV4 Twin Leaf (In-line Hinged)   | Twin leaf horizontal access cover <sup>8</sup>   | 1100                                 | 2400                                 | 600                                 | 1100                                | 4               | 450a/05       |
| Ultra Secure DV4 Triple Leaf (In-line Hinged) | Triple leaf horizontal access cover <sup>8</sup> | 1800                                 | 3600                                 | 600                                 | 1100                                | 4               | 450a/06       |
| Ultra Secure DV4 Triple Leaf (Special)        | Triple leaf horizontal access cover <sup>8</sup> | 1800                                 | 3600                                 | 1100                                | 1800                                | 4               | 450a/07       |
| SHH1/DV                                       | Single leaf flush access cover                   | 400                                  | 1200                                 | 400                                 | 1200                                | 3               | 450a/09       |
| SHH2/DV                                       | Twin leaf flush access cover                     | 1200                                 | 2400                                 | 400                                 | 1200                                | 3               | 450a/10       |
| SHH3/DV                                       | Triple leaf flush access cover                   | 1500                                 | 3000                                 | 400                                 | 1200                                | 3               | 450a/11       |
| SHHM/DV                                       | Multiple leaf flush access cover                 | 2000                                 | 12000 <sup>7</sup>                   | 2000                                | 2400                                | 3               | 450a/12       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 450n to LPS 1175: Issue 7

#### Horizontal Access Covers

| Product Name | Type   | Minimum Width <sup>1</sup> of Internal Opening (mm) | Maximum Width <sup>1</sup> of Internal Opening (mm) | Minimum Length <sup>2</sup> of Internal Opening (mm) | Maximum Length <sup>2</sup> of Internal Opening (mm) | Compatible Padlocks | Security Rating <sup>3</sup> | LPCB Ref. No. |
|--------------|--|---|---|--|--|---------------------|------------------------------|---------------|
| UltraSecure  | Single leaf 'single lock' upstand access cover | 325   | 1250  | 325  | 1250   | A, B, D and G to K  | 2                            | 450n/24       |

**PART 4: SECTION 6**  
ACCESS COVERS AND HATCHES

| Product Name | Type   | Minimum Width <sup>1</sup> of Internal Opening (mm) | Maximum Width <sup>1</sup> of Internal Opening (mm) | Minimum Length <sup>2</sup> of Internal Opening (mm) | Maximum Length <sup>2</sup> of Internal Opening (mm) | Compatible Padlocks | Security Rating <sup>3</sup> | LPCB Ref. No. |
|--------------|--|---|---|--|--|---------------------|------------------------------|---------------|
|              | Single leaf 'twin front lock' upstand access cover     | 1200  | 1950  | 325  | 1250   | A, B, D and G to K  | 2                            | 450n/25       |
|              | Single leaf 'twin side lock' upstand access cover      | 1100  | 1950  | 800  | 1250   | A, B, D and G to K  | 2                            | 450n/26       |
|              | Twin leaf in-line 'single lock' upstand access cover   | 1200  | 2550  | 325  | 1250   | A, B, D and G to K  | 2                            | 450n/27       |
|              | Twin leaf in-line 'twin lock' upstand access cover     | 2550  | 4200  | 325  | 1250   | A, B, D and G to K  | 2                            | 450n/28       |
|              | Twin leaf end hinged upstand access cover              | 325   | 1950  | 1200   | 2350   | A, B, D and G to K  | 2                            | 450n/29       |
|              | Triple leaf in-line 'single lock' upstand access cover | 2735  | 4450  | 325  | 1250   | A, B, D and G to K  | 2                            | 450n/30       |
|              | Triple leaf end hinged upstand access cover            | 325   | 1950  | 2350   | 4150   | A, B, D and G to K  | 2                            | 450n/31       |
|              | Multiple drop on upstand access cover                  | 380   | Unlimited   | 1250   | 5000   | A, B, D and G to K  | 2                            | 450n/32       |
|              | Single leaf 'single lock' upstand access cover         | 380   | 1250  | 325  | 1250   | A to E and G to K   | 3                            | 450n/15       |
|              | Single leaf 'twin front lock' upstand access cover     | 1200  | 1950  | 325  | 1250   | A to E and G to K   | 3                            | 450n/16       |
|              | Single leaf 'twin side lock' upstand access cover      | 1100  | 1950  | 800  | 1250   | A to E and G to K   | 3                            | 450n/17       |
|              | Twin leaf in-line 'single lock' upstand access cover   | 1200  | 2550  | 325  | 1250   | A to E and G to K   | 3                            | 450n/18       |

## PART 4: SECTION 6

### ACCESS COVERS AND HATCHES

| Product Name | Type   | Minimum Width <sup>1</sup> of Internal Opening (mm) | Maximum Width <sup>1</sup> of Internal Opening (mm) | Minimum Length <sup>2</sup> of Internal Opening (mm) | Maximum Length <sup>2</sup> of Internal Opening (mm) | Compatible Padlocks | Security Rating <sup>3</sup> | LPCB Ref. No. |
|--------------|--|---|---|--|--|---------------------|------------------------------|---------------|
|              | Twin leaf in-line 'twin lock' upstand access cover     | 2550  | 4200  | 325  | 1250   | A to E and G to K   | 3                            | 450n/19       |
|              | Twin leaf end hinged upstand access cover              | 325   | 1950  | 1200   | 2350   | A to E and G to K   | 3                            | 450n/20       |
|              | Triple leaf in-line 'single lock' upstand access cover | 2735  | 4450  | 325  | 1250   | A to E and G to K   | 3                            | 450n/21       |
|              | Triple leaf end hinged upstand access cover            | 325   | 1950  | 2350   | 4150   | A to E and G to K   | 3                            | 450n/22       |
|              | Multiple drop on upstand access cover                  | 380   | Unlimited   | 1250   | 5000   | A to E and G to K   | 3                            | 450n/23       |
|              | Single leaf 'single lock' upstand access cover         | 380   | 1250  | 325  | 1250   | C and E to G        | 4                            | 450n/01       |
|              | Single leaf 'twin front lock' upstand access cover     | 1200  | 1950  | 325  | 1250   | C and E to G        | 4                            | 450n/03       |
|              | Single leaf 'twin side lock' upstand access cover      | 1100  | 1950  | 800  | 1250   | C and E to G        | 4                            | 450n/04       |
|              | Twin leaf in-line 'single lock' upstand access cover   | 1200  | 2550  | 325  | 1250   | C and E to G        | 4                            | 450n/02       |
|              | Twin leaf in-line 'twin lock' upstand access cover     | 2550  | 4200  | 325  | 1250   | C and E to G        | 4                            | 450n/05       |
|              | Twin leaf end hinged upstand access cover              | 325   | 1950  | 1200   | 2350   | C and E to G        | 4                            | 450n/06       |
|              | Triple leaf in-line 'single lock' upstand access cover | 2735  | 4450  | 325  | 1250   | C and E to G        | 4                            | 450n/07       |

**PART 4: SECTION 6**  
ACCESS COVERS AND HATCHES

| Product Name | Type  | Minimum Width <sup>1</sup> of Internal Opening (mm) | Maximum Width <sup>1</sup> of Internal Opening (mm) | Minimum Length <sup>2</sup> of Internal Opening (mm) | Maximum Length <sup>2</sup> of Internal Opening (mm) | Compatible Padlocks | Security Rating <sup>3</sup> | LPCB Ref. No. |
|--------------|---|---|---|--|--|---------------------|------------------------------|---------------|
|              | Triple leaf end hinged upstand access cover | 325   | 1950  | 2350   | 4150   | C and E to G        | 4                            | 450n/08       |
|              | Multiple drop on upstand access cover       | 380   | Unlimited   | 1250   | 5000   | C and E to G        | 4                            | 450n/09       |
|              | Single leaf flush-fitting access cover      | 325   | 1200  | 325  | 1200   | C and E to G        | 4                            | 450n/10       |
|              | Twin leaf flush-fitting access cover        | 325   | 1200  | 650  | 2400   | C and E to G        | 4                            | 450n/11       |
|              | Triple leaf flush-fitting access cover      | 325   | 1200  | 975  | 3600   | C and E to G        | 4                            | 450n/12       |
|              | Multiple leaf flush-fitting access cover    | 650   | 2400  | 650  | Unlimited  | C and E to G        | 4                            | 450n/13       |
|              | Drop on flush-fitting access cover          | 325   | 4900  | 325  | Unlimited  | C and E to G        | 4                            | 450n/14       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)





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Certificate No: 1355a to LPS 1175: Issue 7

**Security Fencing Systems**

| Product Name         | Type  | Nominal Height (m)      | Maximum Post Centres (m) | Gradients   | Angles in Fence Line <sup>1</sup> | Security Rating | LPCB Ref. No. |
|----------------------|---|-------------------------|--------------------------|-------------|-----------------------------------|-----------------|---------------|
| Protek Elite 358     | Metal welded mesh fencing system                      | 1.8                     | 0.4584 to 2.440          | 0°          | 90° to 270°                       | 1               | 1355a/01      |
|                      | Metal welded mesh fencing system                      | 2.1, 2.4, 3.0, 4.2, 5.2 | 0.4584 to 2.440          | 0° to 18.5° | 90° to 270°                       | 1               |               |
| Protek Elite 656     | Metal welded mesh fencing system                      | 1.8                     | 0.586 to 2.520           | 0°          | 90° to 270°                       | 1               | 1355a/02      |
|                      | Metal welded mesh fencing system                      | 2.0                     | 0.586 to 2.520           | 0° to 13.5° | 90° to 270°                       | 1               |               |
|                      | Metal welded mesh fencing system                      | 2.4, 3.0, 4.0, 5.0, 6.0 | 0.586 to 2.520           | 0° to 18.8° | 90° to 270°                       | 1               |               |
| Protek Elite 868     | Metal welded mesh fencing system                      | 1.8                     | 0.586 to 2.520           | 0°          | 90° to 270°                       | 1               | 1355a/03      |
|                      | Metal welded mesh fencing system                      | 2.0                     | 0.586 to 2.520           | 0° to 13.5° | 90° to 270°                       | 1               |               |
|                      | Metal welded mesh fencing system                      | 2.4, 3.0, 4.0, 5.0, 6.0 | 0.586 to 2.520           | 0° to 18.8° | 90° to 270°                       | 1               |               |
| Protek Elite Rebound | Metal welded rebound <sup>2</sup> mesh fencing system | 1.8                     | 0.586 to 2.520           | 0°          | 90° to 270°                       | 1               | 1355a/04      |
|                      | Metal welded rebound <sup>2</sup> mesh fencing system | 2.0                     | 0.586 to 2.520           | 0° to 13.5° | 90° to 270°                       | 1               |               |
|                      | Metal welded rebound <sup>2</sup> mesh fencing system | 2.4, 3.0, 4.0, 5.0, 6.0 | 0.586 to 2.520           | 0° to 18.8° | 90° to 270°                       | 1               |               |
|                      | Metal welded rebound <sup>2</sup> mesh fencing system | 2.4, 3.0, 4.0, 5.0, 6.0 | 0.586 to 2.520           | 0° to 18.8° | 90° to 270°                       | 1               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 1198c to LPS 1175: Issue 7

**Security Fencing Systems**

| Product Name    | Type                       | Nominal Height (m) | Maximum Post Centres (m) | Gradients | Angles in Fence Line <sup>1</sup>         | Security Rating | LPCB Ref. No. |
|-----------------|----------------------------|--------------------|--------------------------|-----------|---|-----------------|---------------|
| SecureGuard SR1 | Welded mesh fencing system | 2.4                | 2.44                     | 0° to 21° | 90°, 180° or 270°                         | 1               | 1198c/01      |
| StronGuard SR2  | Palisade fencing system    | 2.4                | 2.75                     | 0° to 20° | 72° to 108°, 125° to 235° or 252° to 286° | 2               | 1198c/02      |
| StronGuard SR3  | Palisade fencing system    | 3.0                | 2.767                    | 0° to 33° | 70° to 110°, 125° to 235° or 250° to 290° | 3               | 1198c/03      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

# PART 4: SECTION 7.1

## SECURITY FENCING

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Certificate No: 1266a to LPS 1175: Issue 7

### Security Fencing Systems

| Product Name                    | Type                                | Nominal Height (m)                   | Maximum Post Centres (m) | Gradients   | Angles in Fence Line <sup>1</sup> | Security Rating | LPCB Ref. No. |
|---------------------------------|-------------------------------------|--------------------------------------|--------------------------|-------------|-----------------------------------|-----------------|---------------|
| Bekasecure Securifor 358 SR     | Welded mesh security fencing system | 2.0, 2.4, 3.0, 3.3, 4.0 and 5.0      | 2.55                     | 0° to 9.46° | 135°, 180° and 225°               | 1               | 1266a/01      |
| Bekasecure Securifor 2D SR      | Welded mesh security fencing system | 2.0, 2.4, 3.0, 3.3, 4.0 and 5.0      | 2.55                     | 0° to 9.46° | 135°, 180° and 225°               | 1               | 1266a/02      |
| Bekasecure Securifor 4D SR      | Welded mesh security fencing system | 2.0, 2.4, 3.0, 3.3, 4.0 and 5.0      | 2.55                     | 0° to 9.46° | 135°, 180° and 225°               | 1               | 1266a/03      |
| Bekasecure Securifor Super 6 SR | Welded mesh security fencing system | 2.4, 3.0, 3.3, 4.0 and 5.0           | 2.55                     | 0° to 9.46° | 135°, 180° and 225°               | 1               | 1266a/08      |
| Securifor 358 SR                | Welded mesh security fencing system | 1.8, 2.0, 2.4, 3.0, 3.3, 4.0 and 5.0 | 2.44                     | 0° to 9.46° | 90°, 180°, 225° and 270°          | 1               | 1266a/04      |
| Securifor 2D SR                 | Welded mesh security fencing system | 2.0, 2.4, 3.0, 3.3, 4.0 and 5.0      | 2.55                     | 0° to 9.46° | 90°, 180°, 225° and 270°          | 1               | 1266a/05      |
| Securifor 4D SR                 | Welded mesh security fencing system | 1.8, 2.0, 2.4, 3.0, 3.3, 4.0 and 5.0 | 2.85                     | 0° to 9.46° | 90°, 180°, 225° and 270°          | 1               | 1266a/06      |
| Securifor Super 6 SR            | Welded mesh security fencing system | 2.4, 3.0, 3.3, 4.0 and 5.0           | 2.44                     | 0° to 9.46° | 90°, 180°, 225° and 270°          | 1               | 1266a/09      |
| Securifor 'Double-Skinned' SR   | Welded mesh security fencing system | 2.4 and 3.0                          | 2.44                     | 0° to 9.46° | 90°, 180°, 225° and 270°          | 2               | 1266a/07      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### CLD Fencing Systems

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Certificate No: 999a to LPS 1175: Issue 7

### Security Fencing Systems

| Product Name | Type   | Nominal Height (m) | Maximum Post Centres (m) | Gradients                       | Angles in Fence Line                   | Security Rating | LPCB Ref. No. |
|--------------|--|--------------------|--------------------------|---------------------------------|--|-----------------|---------------|
| Securus SR1  | Welded mesh security fencing system <sup>2</sup> | 2.4                | 2.515                    | 0°, 9.5° and 18.4° <sup>4</sup> | 100° to 170°, 180°, 190° to 260°, 270° | 1               | 999a/01       |
|              | Welded mesh security fencing system <sup>2</sup> | 3.0                | 2.525                    | 0°, 9.5° and 18.4° <sup>4</sup> | 100° to 170°, 180°, 190° to 260°, 270° | 1               |               |

**PART 4: SECTION 7.1****SECURITY FENCING**

| <b>Product Name</b>                              | <b>Type</b>  | <b>Nominal Height (m)</b>                        | <b>Maximum Post Centres (m)</b> | <b>Gradients</b>                      | <b>Angles in Fence Line</b>            | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|--|--|--|---------------------------------|---------------------------------------|--|------------------------|----------------------|
| Securus SR2                                      | Vertical bar and mesh panel security fencing system <sup>3</sup> | 2.4  | 2.515                           | 0°, 9.5° and 18.4°                    | 100° to 170°, 180°, 190° to 260°, 270° | 2                      | 999a/02              |
| Securus SR1TE                                    | Welded mesh security fencing system <sup>3</sup>                 | 2.4  | 2.520                           | 0°, 9.5° and 18.4°                    | 100° to 170°, 180°, 190° to 260°, 270° | 1                      | 999a/03              |
| Securus Lite SR1                                 | Welded mesh security fencing system <sup>3</sup>                 | 2.4 and 3.0                                      | 2.44                            | 0°, 3.6°, 4.8°, 9.5°, 18.4° and 26.6° | 90° to 270°                            | 1                      | 999a/04              |
| Dulok-6 SR1                                      | Welded mesh security fencing system <sup>3</sup>                 | 1.8  | 3.02                            | 0° and 3.6°                           | 90° to 270°                            | 1                      | 999a/05              |
|  | Welded mesh security fencing system <sup>3</sup>                 | 1.8  | 2.52                            | 4.8°                                  | 90° to 270°                            | 1                      |                      |
|  | Welded mesh security fencing system <sup>3</sup>                 | 2.0  | 3.02                            | 0° and 3.6°                           | 90° to 270°                            | 1                      |                      |
|  | Welded mesh security fencing system <sup>3</sup>                 | 2.0  | 2.52                            | 4.8°, 9.5° and 18.4°                  | 90° to 270°                            | 1                      |                      |
|  | Welded mesh security fencing system <sup>3</sup>                 | 2.0  | 1.26 <sup>5</sup>               | 26.6°                                 | 90° to 270°                            | 1                      |                      |
|  | Welded mesh security fencing system <sup>3</sup>                 | 2.4  | 3.02                            | 0° and 3.6°                           | 90° to 270°                            | 1                      |                      |
|  | Welded mesh security fencing system <sup>3</sup>                 | 2.4  | 2.52                            | 4.8° and 9.5°                         | 90° to 270°                            | 1                      |                      |
|  | Welded mesh security fencing system <sup>3</sup>                 | 2.4  | 1.26 <sup>5</sup>               | 18.4° and 26.6°                       | 90° to 270°                            | 1                      |                      |
|  | Welded mesh security fencing system <sup>3</sup>                 | 3.0  | 2.52                            | 0°                                    | 90° to 270°                            | 1                      |                      |
|  | Dulok-8 SR1  | Welded mesh security fencing system <sup>3</sup> | 1.8                             | 3.02                                  | 0° and 3.6°                            | 90° to 270°            | 1                    |
| Welded mesh security fencing system <sup>3</sup> |  | 1.8  | 2.52                            | 4.8°                                  | 90° to 270°                            | 1                      |                      |
| Welded mesh security fencing system <sup>3</sup> |  | 2.0  | 3.02                            | 0° and 3.6°                           | 90° to 270°                            | 1                      |                      |
| Welded mesh security fencing system <sup>3</sup> |  | 2.0  | 2.52                            | 4.8°, 9.5° and 18.4°                  | 90° to 270°                            | 1                      |                      |
| Welded mesh security fencing system <sup>3</sup> |  | 2.0  | 1.26 <sup>5</sup>               | 26.6°                                 | 90° to 270°                            | 1                      |                      |
| Welded mesh security fencing system <sup>3</sup> |  | 2.4  | 3.02                            | 0° and 3.6°                           | 90° to 270°                            | 1                      |                      |
| Welded mesh security fencing system <sup>3</sup> |  | 2.4  | 2.52                            | 4.8° and 9.5°                         | 90° to 270°                            | 1                      |                      |
| Welded mesh security fencing system <sup>3</sup> |  | 2.4  | 1.26 <sup>5</sup>               | 18.4° and 26.6°                       | 90° to 270°                            | 1                      |                      |
| Welded mesh security fencing system <sup>3</sup> |  | 3.0  | 2.52                            | 0°                                    | 90° to 270°                            | 1                      |                      |
| Dulok-25 SR1                                     |  | Welded mesh security fencing system <sup>3</sup> | 2.0                             | 3.02                                  | 0° and 3.6°                            | 90° to 270°            | 1                    |

# PART 4: SECTION 7.1

## SECURITY FENCING

| Product Name       | Type   | Nominal Height (m) | Maximum Post Centres (m) | Gradients             | Angles in Fence Line                        | Security Rating | LPCB Ref. No. |
|--------------------|--|--------------------|--------------------------|-----------------------|---|-----------------|---------------|
|                    | Welded mesh security fencing system <sup>3</sup>   | 2.0                | 2.52                     | 4.8° and 9.5°         | 90° to 270°                                 | 1               |               |
|                    | Welded mesh security fencing system <sup>3</sup>   | 2.0                | 1.26 <sup>5</sup>        | 18.4° and 26.6°       | 90° to 270°                                 | 1               |               |
|                    | Welded mesh security fencing system <sup>3</sup>   | 2.4                | 3.02                     | 0° and 3.6°           | 90° to 270°                                 | 1               |               |
|                    | Welded mesh security fencing system <sup>3</sup>   | 2.4                | 2.52                     | 4.8° and 9.5°         | 90° to 270°                                 | 1               |               |
|                    | Welded mesh security fencing system <sup>3</sup>   | 2.4                | 1.26 <sup>5</sup>        | 18.4° and 26.6°       | 90° to 270°                                 | 1               |               |
|                    | Welded mesh security fencing system <sup>3</sup>   | 3.0                | 2.52                     | 0°                    | 90° to 270°                                 | 1               |               |
| Ultimate Extra SR1 | Welded mesh security fencing system <sup>3,6</sup> | 2.0                | 2.485                    | 0°, 3.6° and 4.8°     | 90°, 100° to 170°, 180°, 190° to 260°, 270° | 1               | 999a/08       |
|                    | Welded mesh security fencing system <sup>3,6</sup> | 2.0                | 1.239                    | 9.5° and 18.4°        | 90°, 100° to 170°, 180°, 190° to 260°, 270° | 1               |               |
|                    | Welded mesh security fencing system <sup>3,6</sup> | 2.4                | 2.06                     | 0°, 3.6° and 4.8°     | 90°, 100° to 170°, 180°, 190° to 260°, 270° | 1               |               |
|                    | Welded mesh security fencing system <sup>3,6</sup> | 2.4                | 1.039 <sup>7</sup>       | 9.5°, 18.4° and 26.6° | 90°, 100° to 170°, 180°, 190° to 260°, 270° | 1               |               |
|                    | Welded mesh security fencing system <sup>3,6</sup> | 3.0                | 2.06                     | 0°                    | 90°, 100° to 170°, 180°, 190° to 260°, 270° | 1               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 1454a to LPS 1175: Issue 6

### Security Fencing Systems

| Product Name | Type                                | Nominal Height (m)    | Post Centres (m) | Maximum Gradients | Angles In Fence Line <sup>1</sup> | Security Rating | LPCB Ref. No. |
|--------------|-------------------------------------|-----------------------|------------------|-------------------|-----------------------------------|-----------------|---------------|
| Pallas Xtra  | Welded mesh security fencing system | 1.8, 2.0, 2.4 and 3.0 | 2.53             | 0° <sup>2</sup>   | 175° to 185° and 265° to 275°     | 1               | 1454a/01      |
| Zenith       | Welded mesh security fencing system | 1.8                   | 2.44             | 0.7°              | 175° to 185° and 265° to 275°     | 1               | 1454a/02      |
|              | Welded mesh security fencing system | 2.0                   | 2.44             | 4.67°             | 175° to 185° and 265° to 275°     | 1               |               |
|              | Welded mesh security fencing system | 2.4                   | 2.44             | 13.8°             | 175° to 185° and 265° to 275°     | 1               |               |
|              | Welded mesh security fencing system | 3.0                   | 2.44             | 23.5°             | 175° to 185° and 265° to 275°     | 1               |               |

**PART 4: SECTION 7.1****SECURITY FENCING**

| Product Name     | Type                                | Nominal Height (m)    | Post Centres (m) | Maximum Gradients  | Angles In Fence Line <sup>1</sup>          | Security Rating | LPCB Ref. No. |
|------------------|-------------------------------------|-----------------------|------------------|--------------------|--|-----------------|---------------|
|                  | Welded mesh security fencing system | 4.2                   | 2.44             | 37.6°              | 175° to 185° and 265° to 275°              | 1               |               |
|                  | Welded mesh security fencing system | 5.2                   | 2.44             | 37.6°              | 175° to 185° and 265° to 275°              | 1               |               |
| TangoRail TR100  | Railings                            | 1.8, 2.0, 2.1 and 2.4 | 2.84             | 16.5° <sup>3</sup> | 75° to 105°, 165° to 195° and 255° to 265° | 1               | 1454a/03      |
| TangoRail TR200  | Railings                            | 1.8, 2.0, 2.1 and 2.4 | 2.84             | 16.5° <sup>3</sup> | 75° to 105°, 165° to 195° and 255° to 265° | 1               | 1454a/04      |
| TangoRail TR150  | Railings                            | 1.8, 2.0, 2.1 and 2.4 | 2.755            | 17° <sup>3</sup>   | 75° to 105°, 165° to 195° and 255° to 265° | 1               | 1454a/05      |
| TangoRail TR250  | Railings                            | 1.8, 2.0, 2.1 and 2.4 | 2.755            | 17° <sup>3</sup>   | 75° to 105°, 165° to 195° and 255° to 265° | 1               | 1454a/06      |
| TangoRail TR300F | Railings                            | 1.8, 2.0, 2.1 and 2.4 | 2.84             | 16.5° <sup>3</sup> | 75° to 105°, 165° to 195° and 255° to 265° | 1               | 1454a/07      |
| TangoRail TR300P | Railings                            | 1.8, 2.0, 2.1 and 2.4 | 2.84             | 16.5° <sup>3</sup> | 75° to 105°, 165° to 195° and 255° to 265° | 1               | 1454a/08      |
| TangoRail TR400  | Railings                            | 1.8, 2.0, 2.1 and 2.4 | 2.84             | 16.5° <sup>3</sup> | 75° to 105°, 165° to 195° and 255° to 265° | 1               | 1454a/09      |

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Certificate No: 913a to LPS 1175: Issue 6

**Security Fencing System**

| Product Name      | Type  | Height (m)             | Post Centres (m) | Gradients   | Angles In Fence Line | Security Rating | LPCB Ref. No. |
|-------------------|---|------------------------|------------------|-------------|----------------------|-----------------|---------------|
| Jakoustic Class 3 | Timber security fencing system <sup>1</sup> | 2.5, 2.75, 3.0 or 3.25 | 0.125 to 2.4     | 0° to 18.5° | 90°, 180° or 270°    | 3               | 913a/01       |

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Certificate No: 913b to LPS 1175: Issue 6

**Security Fencing Systems**

| Product Name | Type   | Height (m) | Post Centres (m) | Gradients  | Angles in Fence Line | Security Rating | LPCB Ref. No. |
|--------------|--|------------|------------------|------------|----------------------|-----------------|---------------|
| Trident 4    | Vertical bar and mesh panel security fencing system <sup>1</sup> | 3.6        | 0.260 to 2.57    | 0° to 5.7° | 90°, 180° or 270°    | 4               | 913b/01       |
| Trident 5    | Vertical bar and mesh panel security fencing system <sup>1</sup> | 4.2        | 0.260 to 2.57    | 0° to 5.7° | 90°, 180° or 270°    | 5               | 913b/02       |

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# PART 4: SECTION 7.1

## SECURITY FENCING

Certificate No: 913c to LPS 1175: Issue 7

### Security Fencing Systems

| Product Name                 | Type   | Nominal Height (m) | Maximum Post Centres (m) | Gradients   | Angles in Fence Line <sup>1</sup> | Security Rating | LPCB Ref. No. |
|------------------------------|--|--------------------|--------------------------|---|-----------------------------------|-----------------|---------------|
| Barbican Barbed Top SR1      | Vertical bar security fencing system <sup>2</sup>                | 1.8                | 3.0                      | 0° to 0.8° <sup>3</sup>                           | 90°, 180° or 270°                 | 1               | 913c/03       |
|                              | Vertical bar security fencing system <sup>2</sup>                | 2.0                | 3.0                      | 0° to 1.9° <sup>3</sup> or 0° to 25° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
|                              | Vertical bar security fencing system <sup>2</sup>                | 2.5                | 3.0                      | 0° to 1.9° <sup>3</sup> or 0° to 43° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
|                              | Vertical bar security fencing system <sup>2</sup>                | 3.0                | 2.484                    | 0° to 1.9° <sup>3</sup> or 0° to 53° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
| Barbican Extra SR1           | Vertical bar security fencing system <sup>2</sup>                | 1.8                | 3.0                      | 0° to 0.8° <sup>3</sup>                           | 90°, 180° or 270°                 | 1               | 913c/04       |
|                              | Vertical bar security fencing system <sup>2</sup>                | 2.0                | 3.0                      | 0° to 1.9° <sup>3</sup> or 0° to 25° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
|                              | Vertical bar security fencing system <sup>2</sup>                | 2.5                | 3.0                      | 0° to 1.9° <sup>3</sup> or 0° to 43° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
|                              | Vertical bar security fencing system <sup>2</sup>                | 3.0                | 2.484                    | 0° to 1.9° <sup>3</sup> or 0° to 53° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
| Barbican Imperial SR1        | Vertical bar security fencing system <sup>2</sup>                | 1.8                | 3.0                      | 0° to 0.8° <sup>3</sup>                           | 90°, 180° or 270°                 | 1               | 913c/05       |
|                              | Vertical bar security fencing system <sup>2</sup>                | 2.0                | 3.0                      | 0° to 1.9° <sup>3</sup> or 0° to 25° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
|                              | Vertical bar security fencing system <sup>2</sup>                | 2.5                | 3.0                      | 0° to 1.9° <sup>3</sup> or 0° to 43° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
|                              | Vertical bar security fencing system <sup>2</sup>                | 3.0                | 2.484                    | 0° to 1.9° <sup>3</sup> or 0° to 53° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
| Barbican SR1                 | Vertical bar security fencing system <sup>2</sup>                | 1.8                | 3.0                      | 0° to 0.8° <sup>3</sup>                           | 90°, 180° or 270°                 | 1               | 913c/01       |
|                              | Vertical bar security fencing system <sup>2</sup>                | 2.0                | 3.0                      | 0° to 1.9° <sup>3</sup> or 0° to 25° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
|                              | Vertical bar security fencing system <sup>2</sup>                | 2.5                | 3.0                      | 0° to 1.9° <sup>3</sup> or 0° to 43° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
|                              | Vertical bar security fencing system <sup>2</sup>                | 3.0                | 2.484                    | 0° to 1.9° <sup>3</sup> or 0° to 53° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
| Barbican With Finials SR1    | Vertical bar security fencing system <sup>2</sup>                | 1.8                | 3.0                      | 0° to 0.8° <sup>3</sup>                           | 90°, 180° or 270°                 | 1               | 913c/02       |
|                              | Vertical bar security fencing system <sup>2</sup>                | 2.0                | 3.0                      | 0° to 1.9° <sup>3</sup> or 0° to 25° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
|                              | Vertical bar security fencing system <sup>2</sup>                | 2.5                | 3.0                      | 0° to 1.9° <sup>3</sup> or 0° to 43° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
|                              | Vertical bar security fencing system <sup>2</sup>                | 3.0                | 2.484                    | 0° to 1.9° <sup>3</sup> or 0° to 53° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
| Defender Xtreme SR1          | Vertical bar security fencing system <sup>2</sup>                | 2.25               | 2.484                    | 0° to 2.2° <sup>3</sup> or 0° to 36° <sup>4</sup> | 90°, 180° or 270°                 | 1               | 913c/07       |
|                              | Vertical bar security fencing system <sup>2</sup>                | 2.5                | 2.484                    | 0° to 2.2° <sup>3</sup> or 0° to 43° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
|                              | Vertical bar security fencing system <sup>2</sup>                | 3.0                | 2.484                    | 0° to 2.2° <sup>3</sup> or 0° to 53° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
| Euroguard Combi SR1          | Welded mesh and timber slat security fencing system <sup>2</sup> | 2.07               | 3.055                    | 0° to 1.5° <sup>3</sup>                           | 90°, 180° or 270°                 | 1               | 913c/09       |
|                              | Welded mesh and timber slat security fencing system <sup>2</sup> | 2.47               | 3.055                    | 0° to 1.5° <sup>3</sup>                           | 90°, 180° or 270°                 | 1               |               |
|                              | Welded mesh and timber slat security fencing system <sup>2</sup> | 3.11               | 3.055                    | 0° to 1.5° <sup>3</sup>                           | 90°, 180° or 270°                 | 1               |               |
| Euroguard Platform Heavy SR1 | Welded mesh security fencing system <sup>2</sup>                 | 2.03               | 3.034                    | 0° to 1.9° <sup>3</sup>                           | 90°, 180° or 270°                 | 1               | 913c/08       |
|                              | Welded mesh security fencing system <sup>2</sup>                 | 2.43               | 3.054                    | 0° to 1.9° <sup>3</sup>                           | 90°, 180° or 270°                 | 1               |               |
| Sentry SR1                   | Vertical bar security fencing system <sup>2</sup>                | 1.8                | 3.0                      | 0° to 0.8° <sup>3</sup>                           | 90°, 180° or 270°                 | 1               | 913c/06       |
|                              | Vertical bar security fencing system <sup>2</sup>                | 2.0                | 3.0                      | 0° to 1.9° <sup>3</sup> or 0° to 25° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |

**PART 4: SECTION 7.1****SECURITY FENCING**

| Product Name         | Type  | Nominal Height (m) | Maximum Post Centres (m) | Gradients   | Angles in Fence Line <sup>1</sup> | Security Rating | LPCB Ref. No. |
|----------------------|---|--------------------|--------------------------|---|-----------------------------------|-----------------|---------------|
| Securimesh Plus SR2  | Vertical bar security fencing system <sup>2</sup> | 2.5                | 3.0                      | 0° to 1.9° <sup>3</sup> or 0° to 43° <sup>4</sup> | 90°, 180° or 270°                 | 1               | 913c/10       |
|                      | Vertical bar security fencing system <sup>2</sup> | 3.0                | 2.484                    | 0° to 1.9° <sup>3</sup> or 0° to 53° <sup>4</sup> | 90°, 180° or 270°                 | 1               |               |
|                      | Welded mesh security fencing system <sup>2</sup>  | 2.442              | 2.451                    | 0° to 1.8° <sup>3</sup>                           | 90°, 180° or 270°                 | 2               |               |
|                      | Welded mesh security fencing system <sup>2</sup>  | 5.0                | 2.451                    | 0° to 4.5°  | 90°, 180° or 270°                 | 2               |               |
| UHS Extreme Mesh SR3 | Welded mesh security fencing system <sup>2</sup>  | 2.431              | 2.505                    | 0° to 7° <sup>3</sup> , 9° <sup>3</sup>           | 90°, 180° or 270°                 | 3               | 913c/11       |
|                      | Welded mesh security fencing system <sup>2</sup>  | 3.031              | 2.505                    | 0° to 7° <sup>3</sup> , 13.5° <sup>3</sup>        | 90°, 180° or 270°                 | 3               |               |
| UHS Heavy Mesh SR3   | Welded mesh security fencing system <sup>2</sup>  | 2.415              | 2.505                    | 0° to 6.5° <sup>3</sup>                           | 90°, 180° or 270°                 | 3               | 913c/12       |
|                      | Welded mesh security fencing system <sup>2</sup>  | 3.031              | 2.505                    | 0° to 7° <sup>3</sup> , 14° <sup>3</sup>          | 90°, 180° or 270°                 | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 951a to LPS 1175: Issue 6

**Security Fencing Systems**

| Product Name     | Type                                | Height (m) | Post Centres (m) | Gradients   | Angles in Fence Line | Security Rating | LPCB Ref. No. |
|------------------|-------------------------------------|------------|------------------|-------------|----------------------|-----------------|---------------|
| Ibex Hi Security | Welded mesh security fencing system | 1.8 to 3   | 1 to 2.46        | 0° to 5.71° | > 90° to <= 315°     | 1               | 951a/01       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**The Expanded Metal Company Limited**

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Certificate No: 731c to LPS 1175: Issue 6

**Security Fencing Systems**

| Product Name | Type  | Height (m) | Maximum Post Centres (m) | Gradients | Angles in Fence Line <sup>1</sup> | Security Rating | LPCB Ref. No. |
|--------------|---|------------|--------------------------|-----------|-----------------------------------|-----------------|---------------|
| ExMesh™ SR2  | Expanded metal mesh security fencing system | 2.4 or 3.0 | 2.4                      | 0° to 30° | 180° and 270°                     | 2               | 731c/01       |

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# PART 4: SECTION 7.1

## SECURITY FENCING

Certificate No: 731e to LPS 1175: Issue 7

### Security Fencing Systems

| Product Name | Type  | Height (m) | Minimum Post Centres (m) | Maximum Post Centres (m) | Gradients | Angles in Fence Line <sup>1</sup> | Security Rating | LPCB Ref. No. |
|--------------|---|------------|--------------------------|--------------------------|-----------|-----------------------------------|-----------------|---------------|
| ExMesh™ SR3  | Twin-skinned expanded metal mesh fencing system | 2.465      | 0.5                      | 3.0                      | 0°        | 90°, 180° and 270°                | 3               | 731e/01       |
|              | Twin-skinned expanded metal mesh fencing system | 2.465      | 0.5                      | 2.4                      | 0° to 30° | 180°                              | 3               |               |
|              | Twin-skinned expanded metal mesh fencing system | 2.975      | 0.5                      | 2.4                      | 0°        | 90°, 180° and 270°                | 3               |               |

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Certificate No: 1337a to LPS 1175: Issue 7

### Security Fencing Systems

| Product Name     | Type           | Nominal Heights (m) | Minimum Post Centres (m) | Maximum Post Centres (m) | Gradients | Angles in Fence Line <sup>1</sup>              | Security Rating | LPCB Ref. No. |
|------------------|----------------|---------------------|--------------------------|--------------------------|-----------|--|-----------------|---------------|
| Lochrin Defender | Fencing system | 2.4, 3.0            | 0.75                     | 2.75                     | 0° to 15° | 90°, 100° to 175°, 180°, 185° to 260° and 270° | 3               | 1337a/01      |

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Certificate No: 1355b to LPS 1175: Issue 7

**Security Gates**

| Product Name         | Type   | Nominal Height <sup>1</sup> (m) | Minimum Width (m) | Maximum Width (m) | Compatible Locking System - Active Leaf | Compatible Locking System - Passive Leaf | Security Rating | LPCB Ref. No. |
|----------------------|--|---------------------------------|-------------------|-------------------|---|--|-----------------|---------------|
| Protek Elite 358     | Single leaf inward opening welded mesh gate                      | 1.8, 2.1, 2.4, 3.0              | 0.576             | 6.026             | 1 or 2                                  | N/A                                      | 1               | 1355b/01      |
|                      | Single leaf outward opening welded mesh gate                     | 1.8, 2.1, 2.4, 3.0              | 0.576             | 6.026             | 1 or 2                                  | N/A                                      | 1               |               |
|                      | Double leaf inward opening welded mesh gate                      | 1.8, 2.1, 2.4, 3.0              | 0.990             | 12.116            | 1 or 2                                  | 3  | 1               |               |
|                      | Double leaf outward opening welded mesh gate                     | 1.8, 2.1, 2.4, 3.0              | 0.990             | 12.116            | 1 or 2                                  | 3  | 1               |               |
| Protek Elite 656     | Single leaf inward opening welded mesh gate                      | 1.8, 2.0, 2.4, 3.0              | 0.593             | 6.031             | 1 or 2                                  | N/A                                      | 1               | 1355b/02      |
|                      | Double leaf inward opening welded mesh gate                      | 1.8, 2.0, 2.4, 3.0              | 0.976             | 12.052            | 1 or 2                                  | 3  | 1               |               |
| Protek Elite 868     | Single leaf inward opening welded mesh gate                      | 1.8, 2.0, 2.4, 3.0              | 0.593             | 6.031             | 1 or 2                                  | N/A                                      | 1               | 1355b/03      |
|                      | Double leaf inward opening welded mesh gate                      | 1.8, 2.0, 2.4, 3.0              | 0.976             | 12.052            | 1 or 2                                  | 3  | 1               |               |
| Protek Elite Rebound | Single leaf inward opening welded rebound <sup>3</sup> mesh gate | 1.8, 2.0, 2.4, 3.0              | 0.593             | 6.031             | 1 or 2                                  | N/A                                      | 1               | 1355b/04      |
|                      | Double leaf inward opening welded rebound <sup>3</sup> mesh gate | 1.8, 2.0, 2.4, 3.0              | 0.976             | 12.052            | 1 or 2                                  | 3  | 1               |               |

## PART 4: SECTION 7.2

### SECURITY GATES

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 1198d to LPS 1175: Issue 7

#### Security Gates

| Product Name    | Type                             | Height <sup>1</sup> (m) | Minimum Width (m) | Maximum Width (m) | Compatible Locking Systems | Compatible Locking Systems | Security Rating | LPCB Ref. No. |
|-----------------|----------------------------------|-------------------------|-------------------|-------------------|----------------------------|----------------------------|-----------------|---------------|
|                 |                                  |                         |                   |                   | Active Leaf                | Passive Leaf               |                 |               |
| SecureGuard SR1 | Single leaf inward opening gate  | 2.4                     | 1.005             | 1.505             | 1 <sup>2</sup>             | N/A                        | 1               | 1198d/01      |
|                 | Double leaf inward opening gate  | 2.4                     | 4.0               | 8.0               | 1 <sup>2</sup>             | 2                          | 1               |               |
| StronGuard SR2  | Single leaf inward opening gate  | 2.4                     | 1.0               | 1.5               | 1 <sup>2</sup>             | N/A                        | 2               | 1198d/02      |
|                 | Double leaf inward opening gate  | 2.4                     | 4.0               | 8.0               | 1 <sup>2</sup>             | 2                          | 2               |               |
| StronGuard SR3  | Single leaf inward opening gate  | 3.0                     | 0.95              | 4.79              | 3 <sup>3</sup>             | N/A                        | 3               | 1198d/03      |
|                 | Double leaf inward opening gate  | 3.0                     | 3.08              | 9.56              | 3 <sup>3</sup>             | 4                          | 3               |               |
|                 | Single leaf outward opening gate | 3.0                     | 3.22              | 9.7               | 3 <sup>3</sup>             | N/A                        | 3               |               |
|                 | Double leaf outward opening gate | 3.0                     | 1.02              | 4.86              | 3 <sup>3</sup>             | 4                          | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 999b to LPS 1175: Issue 7

#### Security Gates

| Product Name   | Type  | Height (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|----------------|---|------------|-------------------|-------------------|-----------------|---------------|
| Lockmaster SR2 | Single leaf inward opening security gate <sup>1</sup> | 2.44       | 0.6               | 3.0               | 2               | 999b/01       |

**PART 4: SECTION 7.2****SECURITY GATES**

| Product Name    | Type   | Height (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|-----------------|--|------------|-------------------|-------------------|-----------------|---------------|
|                 | Double leaf inward opening security gate <sup>1</sup>                        | 2.44       | 1.2               | 6.0               | 2               |               |
| Lockmaster SR3  | Single leaf outward opening security gate with emergency egress <sup>2</sup> | 2.35       | 1.48              | 1.48              | 3               | 999b/02       |
| Slidemaster SR1 | Cantilever sliding gate  | 2.48       | 1.0               | 8.0               | 1               | 999b/03       |
| Slidemaster SR2 | Cantilever sliding gate  | 2.48       | 1.0               | 8.0               | 2               | 999b/04       |
| Slidemaster SR3 | Cantilever sliding gate  | 2.48       | 1.0               | 8.0               | 3               | 999b/05       |

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Certificate No: 1059b to LPS 1175: Issue 7

**Security Gates**

| Product Name                 | Type                    | Nominal Height | Minimum Clear Opening Width (m) | Maximum Clear Opening Width (m) | Security Rating | LPCB Ref. No. |
|------------------------------|-------------------------|----------------|---------------------------------|---------------------------------|-----------------|---------------|
| Platinum Sliding Gate SR2    | Cantilever sliding gate | 2.4 to 4.5     | 3                               | 10                              | 2               | 1059b/01      |
| Platinum Bi-Folding Gate SR2 | Bi-folding gate         | 2.4 to 4.0     | 3                               | 5                               | 2               | 1059b/02      |
| Platinum Sliding Gate SR3    | Cantilever sliding gate | 2.4 to 4.5     | 3                               | 10                              | 3               | 1059b/03      |
| Platinum Bi-Folding Gate SR3 | Bi-folding gate         | 2.4 to 4.0     | 3                               | 5                               | 3               | 1059b/04      |

A copy of the certificate, confirming the full scope of approval including, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 913d to LPS 1175: Issue 7

**Security Gates**

| Product Name            | Type  | Height <sup>1</sup> (m) | Minimum Width (m) | Maximum Width (m) | Compatible Locking System Active Leaf | Compatible Locking System Passive Leaf | Security Rating | LPCB Ref. No. |
|-------------------------|---|-------------------------|-------------------|-------------------|---------------------------------------|--|-----------------|---------------|
| Barbican Barbed Top SR1 | Single leaf inward opening security gate <sup>2</sup>             | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 6.015             | 1                                     | N/A                                    | 1               | 913d/03       |
|                         | Single leaf outward opening security gate <sup>2</sup>            | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 1.887             | 1                                     | N/A                                    | 1               |               |
|                         | Single leaf inward opening padlockable security gate <sup>2</sup> | 1.8, 2.0, 2.5, and 3.0  | 0.848             | 6.008             | 2                                     | N/A                                    | 1               |               |

# PART 4: SECTION 7.2

## SECURITY GATES

| Product Name              | Type   | Height <sup>1</sup> (m) | Minimum Width (m) | Maximum Width (m) | Compatible Locking System Active Leaf | Compatible Locking System Passive Leaf | Security Rating | LPCB Ref. No. |
|---------------------------|--|-------------------------|-------------------|-------------------|---------------------------------------|--|-----------------|---------------|
| Barbican Extra SR1        | Single leaf outward opening padlockable security gate <sup>2</sup> | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 1.887             | 2                                     | N/A                                    | 1               |               |
|                           | Single leaf inward opening security gate <sup>2</sup>              | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 6.015             | 1                                     | N/A                                    | 1               | 913d/04       |
|                           | Single leaf outward opening security gate <sup>2</sup>             | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 1.887             | 1                                     | N/A                                    | 1               |               |
|                           | Single leaf inward opening padlockable security gate <sup>2</sup>  | 1.8, 2.0, 2.5, and 3.0  | 0.848             | 6.008             | 2                                     | N/A                                    | 1               |               |
|                           | Single leaf outward opening padlockable security gate <sup>2</sup> | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 1.887             | 2                                     | N/A                                    | 1               |               |
| Barbican Imperial SR1     | Single leaf inward opening security gate <sup>2</sup>              | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 6.015             | 1                                     | N/A                                    | 1               | 913d/05       |
|                           | Single leaf outward opening security gate <sup>2</sup>             | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 1.887             | 1                                     | N/A                                    | 1               |               |
|                           | Single leaf inward opening padlockable security gate <sup>2</sup>  | 1.8, 2.0, 2.5, and 3.0  | 0.848             | 6.008             | 2                                     | N/A                                    | 1               |               |
|                           | Single leaf outward opening padlockable security gate <sup>2</sup> | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 1.887             | 2                                     | N/A                                    | 1               |               |
|                           | Single leaf inward opening security gate <sup>2</sup>              | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 6.015             | 1                                     | N/A                                    | 1               | 913d/01       |
| Barbican SR1              | Single leaf outward opening security gate <sup>2</sup>             | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 1.887             | 1                                     | N/A                                    | 1               |               |
|                           | Single leaf inward opening padlockable security gate <sup>2</sup>  | 1.8, 2.0, 2.5, and 3.0  | 0.848             | 6.008             | 2                                     | N/A                                    | 1               |               |
|                           | Single leaf outward opening padlockable security gate <sup>2</sup> | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 1.887             | 2                                     | N/A                                    | 1               |               |
|                           | Single leaf inward opening security gate <sup>2</sup>              | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 6.015             | 1                                     | N/A                                    | 1               | 913d/02       |
|                           | Single leaf outward opening security gate <sup>2</sup>             | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 1.887             | 1                                     | N/A                                    | 1               |               |
| Barbican With Finials SR1 | Single leaf inward opening padlockable security gate <sup>2</sup>  | 1.8, 2.0, 2.5, and 3.0  | 0.848             | 6.008             | 2                                     | N/A                                    | 1               |               |
|                           | Single leaf outward opening padlockable security gate <sup>2</sup> | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 1.887             | 2                                     | N/A                                    | 1               |               |
|                           | Single leaf inward opening security gate <sup>2</sup>              | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 6.015             | 1                                     | N/A                                    | 1               | 913d/02       |
|                           | Single leaf outward opening security gate <sup>2</sup>             | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 1.887             | 1                                     | N/A                                    | 1               |               |
|                           | Single leaf inward opening padlockable security gate <sup>2</sup>  | 1.8, 2.0, 2.5, and 3.0  | 0.848             | 6.008             | 2                                     | N/A                                    | 1               |               |

# PART 4: SECTION 7.2

## SECURITY GATES

| Product Name                 | Type   | Height <sup>1</sup> (m) | Minimum Width (m) | Maximum Width (m) | Compatible Locking System Active Leaf | Compatible Locking System Passive Leaf | Security Rating | LPCB Ref. No. |
|------------------------------|--|-------------------------|-------------------|-------------------|---------------------------------------|--|-----------------|---------------|
| Defender Xtreme SR1          | Single leaf inward opening security gate <sup>2</sup>              | 2.25, 2.5 and 3.0       | 0.855             | 6.015             | 1                                     | N/A                                    | 1               | 913d/07       |
|                              | Single leaf inward opening padlockable security gate <sup>2</sup>  | 2.25, 2.5 and 3.0       | 0.848             | 6.008             | 2                                     | N/A                                    | 1               |               |
| Sentry SR1                   | Single leaf inward opening security gate <sup>2</sup>              | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 6.015             | 1                                     | N/A                                    | 1               | 913d/06       |
|                              | Single leaf outward opening security gate <sup>2</sup>             | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 1.887             | 1                                     | N/A                                    | 1               |               |
|                              | Single leaf inward opening padlockable security gate <sup>2</sup>  | 1.8, 2.0, 2.5, and 3.0  | 0.848             | 6.008             | 2                                     | N/A                                    | 1               |               |
|                              | Single leaf outward opening padlockable security gate <sup>2</sup> | 1.8, 2.0, 2.5, and 3.0  | 0.855             | 1.887             | 2                                     | N/A                                    | 1               |               |
| Euroguard Combi SR1          | Single leaf inward opening security gate <sup>2</sup>              | 2.07, 2.47 and 3.11     | 0.855             | 2.0               | 1                                     | N/A                                    | 1               | 913d/09       |
|                              | Single leaf outward opening security gate <sup>2</sup>             | 2.07, 2.47 and 3.11     | 0.855             | 2.0               | 1                                     | N/A                                    | 1               |               |
|                              | Single leaf inward opening padlockable security gate <sup>2</sup>  | 2.07, 2.47 and 3.11     | 0.855             | 2.0               | 2                                     | N/A                                    | 1               |               |
|                              | Single leaf outward opening padlockable security gate <sup>2</sup> | 2.07, 2.47 and 3.11     | 0.855             | 2.0               | 2                                     | N/A                                    | 1               |               |
| Euroguard Platform Heavy SR1 | Single leaf inward opening security gate <sup>2</sup>              | 2.03 and 2.43           | 0.855             | 6.0               | 1                                     | N/A                                    | 1               | 913d/08       |
|                              | Single leaf outward opening security gate <sup>2</sup>             | 2.03 and 2.43           | 0.855             | 2.0               | 1                                     | N/A                                    | 1               |               |
|                              | Single leaf inward opening padlockable security gate <sup>2</sup>  | 2.03 and 2.43           | 0.855             | 6.0               | 2                                     | N/A                                    | 1               |               |
|                              | Single leaf outward opening padlockable security gate <sup>2</sup> | 2.03 and 2.43           | 0.855             | 2.0               | 2                                     | N/A                                    | 1               |               |
| Securimesh Plus SR2          | Single leaf inward opening padlockable security gate <sup>2</sup>  | 2.442                   | 0.855             | 4.0               | 2                                     | N/A                                    | 2               | 913d/10       |
|                              | Single leaf outward opening padlockable security gate <sup>2</sup> | 2.442                   | 0.893             | 1.5               | 2                                     | N/A                                    | 2               |               |
| UHS Extreme Mesh SR3         | Single leaf inward opening security gate <sup>2</sup>              | 2.1                     | 0.870             | 3.0               | 1                                     | N/A                                    | 3               | 913d/11       |

# PART 4: SECTION 7.2

## SECURITY GATES

| Product Name       | Type   | Height <sup>1</sup> (m) | Minimum Width (m) | Maximum Width (m) | Compatible Locking System Active Leaf | Compatible Locking System Passive Leaf | Security Rating | LPCB Ref. No. |
|--------------------|--|-------------------------|-------------------|-------------------|---------------------------------------|--|-----------------|---------------|
| UHS Heavy Mesh SR3 | Single leaf outward opening security gate <sup>2</sup>             | 2.1                     | 0.923             | 1.523             | 1                                     | N/A                                    | 3               |               |
|                    | Single leaf inward opening padlockable security gate <sup>2</sup>  | 2.1                     | 0.863             | 3.0               | 2                                     | N/A                                    | 3               |               |
|                    | Single leaf outward opening padlockable security gate <sup>2</sup> | 2.1                     | 0.916             | 1.523             | 2                                     | N/A                                    | 3               |               |
|                    | Single leaf inward opening security gate <sup>2</sup>              | 2.1                     | 0.870             | 3.0               | 1                                     | N/A                                    | 3               | 913d/12       |
|                    | Single leaf outward opening security gate <sup>2</sup>             | 2.1                     | 0.923             | 1.523             | 1                                     | N/A                                    | 3               |               |
|                    | Single leaf inward opening padlockable security gate <sup>2</sup>  | 2.1                     | 0.863             | 3.0               | 2                                     | N/A                                    | 3               |               |
|                    | Single leaf outward opening padlockable security gate <sup>2</sup> | 2.1                     | 0.916             | 1.523             | 2                                     | N/A                                    | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

### The Expanded Metal Company Limited

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E-mail: [sales@exmesh.co.uk](mailto:sales@exmesh.co.uk) • Website: [www.expandedmetalfencing.co.uk](http://www.expandedmetalfencing.co.uk)

Certificate No: 731a to LPS 1175: Issue 5

### Vehicle and Pedestrian Gates

| Product Name | Type   | Width (mm)                      | Height (mm) | Security Rating | LPCB Ref. No. |
|--------------|--|---------------------------------|-------------|-----------------|---------------|
| Alleygator™  | Pedestrian alley gate  | 810, 1000, 1100 and 1600        | 2350        | 1               | 731a/01       |
|              | Vehicle alley gate   | 2150, 2300, 2450, 3010 and 3300 | 2350        | 1               | 731a/02       |
|              | Vehicle alley gate incorporating inner pedestrian alley gate | 2150, 2300, 2450, 3010 and 3300 | 2350        | 1               | 731a/03       |
|              | Pedestrian alley gate  | 810, 1000, 1100 and 1600        | 2350        | 2 <sup>1</sup>  | 731a/04       |
|              | Vehicle alley gate   | 2150, 2300, 2450, 3010 and 3300 | 2350        | 2 <sup>1</sup>  | 731a/05       |
|              | Vehicle alley gate incorporating inner pedestrian alley gate | 2150, 2300, 2450, 3010 and 3300 | 2350        | 2 <sup>1</sup>  | 731a/06       |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

Certificate No: 731f to LPS 1175: Issue 7

**Security Gates**

| Product Name   | Type  | Height (m)     | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|----------------|---|----------------|-------------------|-------------------|-----------------|---------------|
| ExMesh™<br>SR2 | Inward or outward opening single leaf padlockable gate              | 2.465 or 2.975 | 0.8               | 2.0               | 2               | 731f/02       |
|                | Inward or outward opening double leaf <sup>1</sup> padlockable gate | 2.465 or 2.975 | 2.0               | 12.0              | 2               |               |
| ExMesh™<br>SR3 | Inward opening single leaf padlockable gate                         | 2.465 or 2.975 | 1.0               | 1.5               | 3               | 731f/01       |
|                | Inward opening double leaf <sup>1,2</sup> padlockable gate          | 2.465 or 2.975 | 2.0               | 5.0               | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

**William Bain Fencing Limited**

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E-mail: [sales@lochrin-bain.co.uk](mailto:sales@lochrin-bain.co.uk) • Website: [www.lochrin-bain.co.uk](http://www.lochrin-bain.co.uk)

Certificate No: 1337b to LPS 1175: Issue 7

**Security Gates**

| Product Name     | Type   | Nominal Heights (m) | Minimum Width (m) | Maximum Width (m) | Security Rating | LPCB Ref. No. |
|------------------|--|---------------------|-------------------|-------------------|-----------------|---------------|
| Lochrin Defender | Single leaf inward opening gate <sup>1</sup> | 2.4, 3.0            | 0.9               | 2.0               | 3               | 1337b/01      |
|                  | Double leaf inward opening gate              | 2.4, 3.0            | 3.0               | 12.0              | 3               |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 7.3**

### **TURNSTILES**

#### **Frontier Pitts Ltd**

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Certificate No: 1059a to LPS 1175: Issue 6

#### **Full Height Turnstile**

| <b>Product Name</b>   | <b>Type</b>                  | <b>Number of Rota Arms</b> | <b>Walkway Width (m)<sup>1</sup></b> | <b>Nominal Overall Unit Height (m)<sup>2</sup></b> | <b>Nominal Overall Unit Width <sup>2</sup></b> | <b>Nominal Overall Unit Depth <sup>2</sup></b> | <b>Security Rating<sup>3,4,5</sup></b> | <b>LPCB Ref. No.</b> |
|-----------------------|------------------------------|----------------------------|--------------------------------------|--|--|--|--|----------------------|
| Terra Diamond Grade 3 | Single full height turnstile | Four                       | 0.5                                  | 2.387  | 1.380  | 1.390  | 3                                      | 1059a/01             |
| Terra Diamond Grade 4 | Single full height turnstile | Four                       | 0.5                                  | 2.387  | 1.380  | 1.390  | 4                                      | 1059a/02             |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)



Vehicle security barriers and their associated foundations are evaluated against the requirements of PAS 68: 2013 *Impact test specifications for vehicle security barrier systems*.

Barriers are classified according to the following measurements after a single impact by a vehicle of a defined mass, velocity and angle of impact:

- The distance the vehicle passed beyond the plane of the barrier.
- The distance the major debris dispersed beyond the plane of the barrier.

While many products placed on the market claim to deliver performance commensurate with that required in PAS 68, few claims are supported by independent approvals such as that provided by LPCB. This leaves specifiers vulnerable to changes to the products specification which may not be evident when presented with a copy of a type test report.

The products' performance is a factor of its design, quality of manufacture and how it is installed, maintained and used. LPCB's approval scheme therefore targets these factors. In doing so, LPCB certification and Red Book listing provides specifiers and users independent assurance that the impact classification allocated to vehicle security barriers reflect their performance when installed and maintained in accordance with the product instructions.

LPCB also offers optional approval confirming a vehicle barrier's resistance to manual attacks aimed at undermining the barrier's ability to prevent a vehicle passing it unhindered in accordance with LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*.

The scope of LPCB approvals is due to be extended to cover vehicle barriers to the following international standards:

- CEN Workshop Agreement CWA 16221: 2010 *Vehicle security barriers. Performance requirements, test methods and guidance on application*.
- ISO International Workshop Agreement IWA 14-1: 2014 *Vehicle security barriers. Part 1: Performance requirements, vehicle impact test method and performance rating*.

This section will include vehicle security barriers such as:

- Fixed bollards
- Rising bollards
- Road blockers
- Drop arm barriers

In addition to ensuring the barrier resists vehicle impact, it is important to ensure control equipment used to operate raising bollards, blockers and other powered barriers is suitably resistant to being tampered with to prevent the barrier being operated. Specifiers should therefore consider specifying such equipment is housed within suitably secure enclosures related to LPS 1175. Secure enclosures rated to LPS 1175 are listed in Section 3.

## **PART 4: SECTION 9**

### **CYCLE RACKS AND STANDS**

This section lists cycle racks and stands that have been approved to LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*.

The approval confirms the resistance to unauthorised removal of cycles from the products listed when those products are installed and maintained in accordance with the approved instructions, and cycles are secured to them in accordance with the instructions provided with the product.

If a product incorporates a locking mechanism, that mechanism's resistance to attack is covered by the security rating attributed to the product. In such cases, details of the locking mechanism(s) covered by the approval are included within the product listing. However, if the product relies on the user's cycle lock to secure the cycle to it, the performance of the user's lock is not covered by the scope of the approval and it is the user's responsibility to ensure the cycle lock they use offers appropriate resistance to attack.

The approval does not cover the products' ability to prevent:

- Removal of any individual components from the cycles.
- Vandalism to the cycles.

In addition to approving the cycle racks and stands listed in this section, LPCB also approve:

- Security enclosures designed to secure cycles to LPS 1175. Those products are listed in Section 3 (Secure enclosures).
- Padlocks to LPS 1654 *Requirements and testing procedures for the LPCB approval and listing of padlocks*. Those products are listed in Section 16 (Padlocks and padlock fittings).

This section lists gas cylinder security devices that have been approved to LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.*

The approval covers the resistance to unauthorised removal of gas cylinders provided by the security devices when installed and maintained in accordance with the approved instructions.

While previous versions of the standard specified six levels of resistance (security ratings), the latest versions (Issues 6 and 7) specifies eight security ratings. These range from opportunist (1 minute attacks using easily concealable hand tools) up to extreme methods of attacks (20 minute attacks using a wide range of hand tools, power tools and thermal cutting equipment).

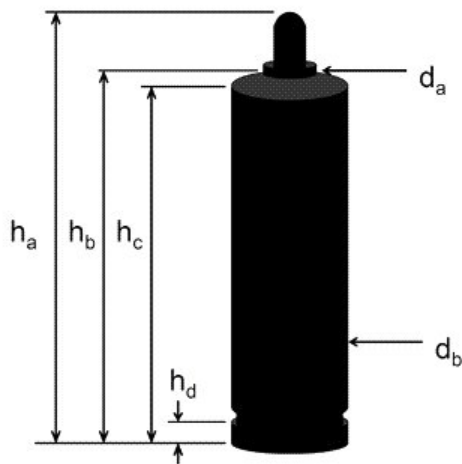
Further details of the grading system can be found in LPS 1175, copies of which can be downloaded free of charge from [www.redbooklive.com](http://www.redbooklive.com).

The approval does not cover the resistance to unauthorised operation of the gas cylinders when secured by the devices listed.

### Product Selection

When selecting a gas cylinder security device, check that the product's approval covers the types and sizes of cylinders to be secured, the compatible locking systems listed and the substrates to which the devices may be fixed in order to provide secure anchorage - all can affect the level of security provided by the product.

To enable selection of the most appropriate product for the desired application, the listing defines the gas cylinders that are covered by the scope of approval in terms of the supplier, supplier reference and following dimensions:



Key:

- $h_a$  = Height of cylinder, including foot ring and neck ring and/or valve cap
- $h_b$  = Height of cylinder to base of neck ring
- $h_c$  = Height of cylinder to edge of shoulder
- $h_d$  = Height of foot ring
- $d_a$  = Diameter at base of neck ring/valve cap
- $d_b$  = Diameter of cylinder

To achieve the security ratings:

- (a) the gas cylinder security devices must be installed in accordance with the manufacturer's instructions;
- (b) all locks must be fully engaged and deadlocked; and

## **PART 4: SECTION 10**

### **GAS CYLINDER SECURITY DEVICES**

- (c) all exposed fixings, the substrate onto which each device is fitted and the locking mechanism(s) must be regularly checked to ensure they are in good condition and that they have not been tampered with.

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Certificate No: 442c to LPS 1175: Issue 6

#### **Gas Cylinder Security Devices**

| Product Name                         | Model           | Type                        | Compatible Gas Cylinders | Security Rating | LPCB Ref. No. |
|--------------------------------------|-----------------|-----------------------------|--------------------------|-----------------|---------------|
| Liddle Series 2 Bottle Storage Frame | LD Type A (CL2) | Three bottle storage frame  | 1, 4, 5 and 6            | 2               | 442c/01       |
|                                      | LD Type A (SO2) | Three bottle storage frame  | 2                        | 2               |               |
|                                      | LD Type A (NH3) | Three bottle storage frame  | 3                        | 2               |               |
|                                      | LD Type B (CL2) | Two bottle storage frame    | 1, 4, 5 and 6            | 2               |               |
|                                      | LD Type B (SO2) | Two bottle storage frame    | 2                        | 2               |               |
|                                      | LD Type B (NH3) | Two bottle storage frame    | 3                        | 2               |               |
|                                      | LD Type C (CL2) | Four bottle storage frame   | 1, 4, 5 and 6            | 2               |               |
|                                      | LD Type C (SO2) | Four bottle storage frame   | 2                        | 2               |               |
|                                      | LD Type C (NH3) | Four bottle storage frame   | 3                        | 2               |               |
|                                      | LD Type D (CL2) | Six bottle storage frame    | 1                        | 2               |               |
|                                      | LD Type D (SO2) | Six bottle storage frame    | 2                        | 2               |               |
|                                      | LD Type F (CL2) | Single bottle storage frame | 1, 4, 5 and 6            | 2               |               |
|                                      | LD Type F (SO2) | Single bottle storage frame | 2                        | 2               |               |
|                                      | LD Type F (NH3) | Single bottle storage frame | 3                        | 2               |               |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

#### **Technocover Limited (incorporating TechnoRail and Strataform)**

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Certificate No: 450e to LPS 1175: Issue 6

#### **Gas Cylinder Security Devices**

| Product Name               | Type                  | Gas Cylinders    | Security Rating | LPCB Ref. No. |
|----------------------------|-----------------------|------------------|-----------------|---------------|
| Ultrasecure Cylinder Clamp | Single cylinder clamp | 1, 2, 3, 4 and 5 | 2               | 450e/01       |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

At the request of the Association of British Insurers, the LPCB developed LPS 1214 *Specification for testing and classifying physical protection devices for personal computers and similar equipment* for the performance of security equipment designed to prevent removal of computer and other office equipment:

The standard currently defines two categories of protection. Both categories of protection device prevent theft of the complete computer for three minutes allowing a response by Police or security guards, while Category II products also prevent removal of the computer chips for the same period.

Suitable applications for products certified to LPS 1214 are described below:

Category I: Prevent unauthorised removal of personal computers (PCs), file servers, printers, facsimile machines and other high value equipment for example where access is important for use and the component value is low.

Category II: Prevent unauthorised removal of or access to personal computers (PCs), file servers, printers, facsimile machines and other high value equipment for example where the PC is both important and highly valued and/or the component value is high.

Specifiers requiring category II protection devices should ensure that they select a device suitable for their particular equipment and that there is suitable ventilation of the computer in accordance with any instructions and warranty conditions supplied with the computer.

In order that they will provide the required protection, the approved equipment must be installed in accordance with the manufacturer's instructions and be in the locked condition with keys removed and held in a secure location.

It is recommended that users regularly check that all exposed fixings and locking mechanisms are in good condition and that they have not been tampered with.

In addition to approving physical protection devices for personal computers and similar equipment to LPS 1214, LPCB also evaluate and approve the following equipment designed to secure larger volumes of ICT equipment to LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*:

- Racking systems
- Modular enclosures
- Composite panelling systems designed for constructing data halls.

Security products approved to LPS 1175 Security Rating 2 provide an equivalent resistance to forced entry as that provided by an LPS 1214 Category I device.

It is also recommended that ICT equipment is marked with an asset management marking system approved to LPS 1225 *Requirements for the LPCB approval and listing of asset marking systems* and registered on a secure asset database certified to LPS 1224 *Requirements for companies providing secure asset registration services*. Marking devices and secured database services are listed in Sections 13 and 14.

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## **Bradbury Security**

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Certificate No: 312b to LPS 1214: Issue 2

## **PART 4: SECTION 11**

### **PHYSICAL SECURITY DEVICES FOR COMPUTERS AND OTHER ICT EQUIPMENT**

#### **Server Security Cabinets**

| <b>Product Name</b>   | <b>Type</b>   | <b>Model</b>               | <b>Height (mm)</b> | <b>Width (mm)</b> | <b>Depth (mm)</b> | <b>Security Category</b> | <b>LPCB Ref. No.</b> |
|-----------------------|---|----------------------------|--------------------|-------------------|-------------------|--------------------------|----------------------|
| Ventis Server Safe    | Server enclosure with single door in front and rear | -                          | 2127               | 725               | 1100              | II                       | 312b/03              |
| Sun Safe System Vault | Server enclosure with single door in front and rear | UKT-SUNSAFE-1              | 2160               | 725               | 1500              | II                       |                      |
|                       | Server enclosure with single door in front and rear | UKT-SUNSAFE-2              | 2160               | 725               | 1265              | II                       |                      |
|                       | Server enclosure with single door in front and rear | UKT-SUNSAFE-3              | 2160               | 725               | 1100              | II                       |                      |
|                       | Server enclosure with single door in front and rear | UKT-SUNSAFE-6              | 1000               | 725               | 1000              | II                       |                      |
|                       | Server enclosure with single door in front and rear | UKT-SUNSAFE-7              | 1000               | 725               | 900               | II                       |                      |
|                       | Server enclosure with single door in front and rear | Made to measure: min. size | 1000               | 600               | 600               | II                       |                      |
|                       | Server enclosure with single door in front and rear | Made to measure: max. size | 2500               | 1000              | 2000              | II                       |                      |
|                       | Server enclosure with double door in front and rear | UKT-SUNSAFE-4              | 2160               | 1000              | 1500              | II                       |                      |
|                       | Server enclosure with double door in front and rear | UKT-SUNSAFE-5              | 2160               | 1000              | 1853              | II                       |                      |
|                       | Server enclosure with double door in front and rear | UKT-SUNSAFE-8              | 2160               | 1000              | 1265              | II                       |                      |
|                       | Server enclosure with double door in front and rear | Made to measure: min. size | 1000               | 700               | 600               | II                       |                      |
|                       | Server enclosure with double door in front and rear | Made to measure: max. size | 2500               | 2000              | 2000              | II                       |                      |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

A number of ATMs have been attacked while being replenished because this is when the cash cassettes are generally the most vulnerable to removal from the ATM.

Products listed in this section are designed to prevent the unauthorised removal of cash cassettes from the ATM safe when the ATM safe door is open.

The products have been approved to LPS 1175 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free standing barriers*.

LPS 1175 is based on manual attack testing and currently defines eight levels of resistance to entry.

These are measured in terms of attack tools and time available to the attacker. This enables specifiers to select products according to the risks that they and their property face.

Due to the intended application of these products, the entry criteria used to assess these products in accordance with clause 4.3 of LPS 1175 is defined in the notes relating to each of the products listed.

Although the evaluation and approval covers attempts to remove the products from the ATM safes to which they are fitted, they do not cover the attack resistance of those ATM safes.

## **PART 4: SECTION 13**

### **DATABASE MANAGEMENT FOR ASSET MARKING**

The essential requirements of LPS 1224: Issue 2 *Requirements for Secure Database Registers* were developed as a result of needs identified by the Police, Insurers and Home Office. LPS 1224 ensured that Police and other legitimate enquirers can confirm ownership of property 24 hours a day while ensuring full details of property ownership are held securely and in accordance with the Data Protection Act.

Therefore, under the requirements of LPS 1224: Issue 2, the database operator must:

- (i) Have an established track record in the field of asset registration of at least one year.
- (ii) Operate the database in accordance with a documented set of procedures in accordance with the requirements defined in LPS 1224.
- (iii) Offer a telephone check line service manned by trained operatives. In accordance with Government policy, the service shall be available 24 hour a day and shall be free of direct charge to the enquirer, e.g. it shall not be chargeable to the enquirer as a premium rate telephone service.

More recently LPS 1224: Issue 3 *Requirements for companies providing security asset registration services* was developed. This covers database services provided over the internet as well as those which may be accessed using other media.

This section lists companies that run databases that have been assessed and approved to either version of LPS 1224.

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Certificate No: 665a to LPS 1224: Issue 2

#### **Secure Database Register**

| Product Name               | Telephone Number | Web Address | LPCB Ref. No. |
|----------------------------|------------------|-------------|---------------|
| Datatag ID Secure Database | 08450 700 440    | As above    | 665a/01       |

A copy of the certificate may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 493a to LPS 1224: Issue 2

#### **Secure Database Register**

| Product Name                    | Telephone Number | Web Address | LPCB Ref. No. |
|---------------------------------|------------------|-------------|---------------|
| International Security Register | 07000 111333     | As above    | 493a/01       |

A copy of the certificate may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)



**Selectamark Security Systems Plc**

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Certificate No: 497b to LPS 1224: Issue 3

**Secure Database Register**

| Product Name                      | Security Level | LPCB Ref. No. |
|-----------------------------------|----------------|---------------|
| Selectamark Secure Asset Register | 2              | 497b/01       |
| BikeRegister                      | 1              | 497b/02       |

A copy of the certificate, including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 14**

### **ASSET MARKING SYSTEMS**

The following marking devices listed have been tested to LPS 1225 *Requirements for the LPCB approval and listing of asset marking systems*.

LPS 1225 specifies requirements for the composition and performance of an asset marking system such that, when used according to the manufacturer's instructions, the asset marking device may:

- i) Enable the marked asset to be traced to the legal owner via a secure database register linked to the marking system employed.
- ii) Act as a theft deterrent in the first instance by virtue of known existence.

It is assumed that the part of the asset to which the asset marking device is applied is at least equal in resistance to removal from the asset as the asset marking device employed.

The two-part classification indicates the resistance of the product to eradication of ownership traceability and resistance to complete removal of marking without leaving evidence of previous existence. This gives the end-user the option of selecting a product to suit the required application. Complete removal of the marking and restoration of the asset gives maximum resale value to the stolen asset; however the standard does not take into account replication or replacement of components as part of asset restoration.

The overall classification designation achieved is given by two numerals separated by a plus sign. The first numeral represents the resistance rating to erasure of traceability and the second numeral to complete removal/asset restoration.

The two classifications are both on a scale of one to eight. Classification '1' performance relates to that which should be expected as a minimum for marking devices used in the retail trade and other public areas equipped with CCTV and security staff. Classification '8', on the other hand, is aimed at marking devices applied to assets that have a high value and this will be the subject of a more determined level of effort by the criminal in order to prevent traceability or completely remove the mark.

Long term durability of the system and associated components are beyond the scope of this standard, as are the performance requirements of any covert marking technology incorporated in the system.

Although this standard specifies that the product instructions shall include hazard data, confirmation of the authenticity of such data is not addressed.

All approved marking devices are marked with a unique asset identification code. The LPCB certification mark and reference numbers relating to the marking device and database, and the telephone number of the database will also be marked on the marking device, or where this is not viable, on separate warning labels which are supplied with the marking device.

In addition to LPS 1225, LPCB is currently working with manufacturers and specifiers to finalise standards classifying the performance of "microdot", "trace chemical" and RFID marking systems. Please contact the Security Team (email: [PhysicalSecurity@bre.co.uk](mailto:PhysicalSecurity@bre.co.uk)) for more information.

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Certificate No: 493b to LPS 1225: Issue 3

### ***Overt Asset Marking Systems***

| <b>Product Name</b>   | <b>Substrate</b> | <b>Resistance Rating Classification</b> | <b>Database Ref. No.</b> | <b>LPCB Ref. No.</b> |
|---|------------------|---|--------------------------|----------------------|
| The Retainagroup Marking and Registration System for Vehicles | Float glass      | 2 + 8                                   | 493a/01                  | 493b/01              |

**PART 4: SECTION 14****ASSET MARKING SYSTEMS**

| Product Name  | Substrate       | Resistance Rating Classification | Database Ref. No. | LPCB Ref. No. |
|---|-----------------|----------------------------------|-------------------|---------------|
| The Retainagroup Marking and Registration System for Office and Household Equipment | Laminated glass | 2 + 8                            | 493a/01           |               |
|   | Toughened glass | 2 + 8                            | 493a/01           |               |
|   | ABS Plastic     | 1 + 2                            | 493a/01           | 493b/02       |

A copy of the certificate, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 497a to LPS 1225: Issue 3

**Overt Asset Marking Systems**

| Product Name                      | Type of Marking Device       | Compatible Substrate                | Resistance Rating Classification | Database Reference Number | LPCB Ref. No. |
|-----------------------------------|------------------------------|-------------------------------------|----------------------------------|---------------------------|---------------|
| Selectamark (7mm)                 | Glass etching compound       | Float glass                         | 1 + 8                            | 497b                      | 497a/01       |
|                                   | 'Blue' etching compound      | ABS plastic                         | 1 + 2                            | 497b                      | 497a/02       |
|                                   | 'Blue' etching compound      | Enamel finished steel               | 1 + 1                            | 497b                      |               |
|                                   | 'Blue' etching compound      | Leather                             | 1 + 2                            | 497b                      |               |
|                                   | 'Blue' etching compound      | Polycarbonate                       | 2 + 5                            | 497b                      |               |
|                                   | 'Blue' etching compound      | Polymethyl Methacrylate ("Perspex") | 1 + 3                            | 497b                      |               |
|                                   | 'Blue' etching compound      | Planed softwood timber              | 1 + 1                            | 497b                      |               |
|                                   | 'Blue' etching compound      | Planed hardwood timber              | 1 + 1                            | 497b                      |               |
|                                   | 'Blue' etching compound      | Plywood                             | 1 + 1                            | 497b                      |               |
|                                   | 'Blue' etching compound      | PVC                                 | 1 + 2                            | 497b                      |               |
|                                   | 'UV-Orange' etching compound | ABS plastic                         | 1 + 2                            | 497b                      | 497a/03       |
|                                   | 'UV-Orange' etching compound | Enamel finished steel               | 1 + 1                            | 497b                      |               |
|                                   | 'UV-Orange' etching compound | Leather                             | 1 + 2                            | 497b                      |               |
|                                   | 'UV-Orange' etching compound | Polycarbonate                       | 2 + 5                            | 497b                      |               |
|                                   | 'UV-Orange' etching compound | Polymethyl Methacrylate ("Perspex") | 1 + 3                            | 497b                      |               |
|                                   | 'UV-Orange' etching compound | Planed softwood timber              | 1 + 1                            | 497b                      |               |
|                                   | 'UV-Orange' etching compound | Planed hardwood timber              | 1 + 1                            | 497b                      |               |
|                                   | 'UV-Orange' etching compound | Plywood                             | 1 + 1                            | 497b                      |               |
|                                   | 'UV-Orange' etching compound | PVC                                 | 1 + 2                            | 497b                      |               |
|                                   | Supermark (5mm)              | Label and 'Blue' etching compound   | ABS plastic                      | 1 + 3                     | 497b          |
| Label and 'Blue' etching compound |                              | Enamel finish steel                 | 1 + 2                            | 497b                      |               |

# PART 4: SECTION 14

## ASSET MARKING SYSTEMS

| Product Name      | Type of Marking Device                 | Compatible Substrate                | Resistance Rating Classification | Database Reference Number | LPCB Ref. No. |
|-------------------|--|-------------------------------------|----------------------------------|---------------------------|---------------|
|                   | Label and 'Blue' etching compound      | Polycarbonate                       | 1 + 4                            | 497b                      |               |
|                   | Label and 'Blue' etching compound      | Polypropylene                       | 1 + 2                            | 497b                      |               |
|                   | Label and 'Blue' etching compound      | Polymethyl Methacrylate ("Perspex") | 1 + 4                            | 497b                      |               |
|                   | Label and 'Blue' etching compound      | Planed softwood timber              | 1 + 2                            | 497b                      |               |
|                   | Label and 'Blue' etching compound      | Planed hardwood timber              | 1 + 2                            | 497b                      |               |
|                   | Label and 'Blue' etching compound      | Plywood                             | 1 + 2                            | 497b                      |               |
|                   | Label and 'Blue' etching compound      | PVC                                 | 1 + 3                            | 497b                      |               |
|                   | Label and 'UV-Orange' etching compound | ABS plastic                         | 1 + 3                            | 497b                      | 497a/05       |
|                   | Label and 'UV-Orange' etching compound | Enamel finished steel               | 1 + 2                            | 497b                      |               |
|                   | Label and 'UV-Orange' etching compound | Polycarbonate                       | 1 + 4                            | 497b                      |               |
|                   | Label and 'UV-Orange' etching compound | Polypropylene                       | 1 + 2                            | 497b                      |               |
|                   | Label and 'UV-Orange' etching compound | Polymethyl Methacrylate ("Perspex") | 1 + 4                            | 497b                      |               |
|                   | Label and 'UV-Orange' etching compound | Planned softwood timber             | 1 + 2                            | 497b                      |               |
|                   | Label and 'UV-Orange' etching compound | Planed hardwood timber              | 1 + 2                            | 497b                      |               |
|                   | Label and 'UV-Orange' etching compound | Plywood                             | 1 + 2                            | 497b                      |               |
|                   | Label and 'UV-Orange' etching compound | PVC                                 | 1 + 3                            | 497b                      |               |
| Selectamark (5mm) | 'Blue' etching compound                | ABS plastic                         | 1 + 2                            | 497b                      | 497a/02       |
|                   | 'Blue' etching compound                | Enamel finished steel               | 1 + 1                            | 497b                      |               |
|                   | 'Blue' etching compound                | Polycarbonate                       | 2 + 5                            | 497b                      |               |
|                   | 'Blue' etching compound                | Polymethyl Methacrylate ("Perspex") | 1 + 3                            | 497b                      |               |
|                   | 'Blue' etching compound                | PVC                                 | 1 + 2                            | 497b                      |               |
|                   | 'Ice Blue' etching compound            | ABS plastic                         | 1 + 2                            | 497b                      | 497a/07       |
|                   | 'Ice Blue' etching compound            | Enamel finished steel               | 1 + 1                            | 497b                      |               |
|                   | 'Ice Blue' etching compound            | Polycarbonate                       | 2 + 5                            | 497b                      |               |
|                   | 'Ice Blue' etching compound            | Polymethyl Methacrylate ("Perspex") | 1 + 3                            | 497b                      |               |
|                   | 'Ice Blue' etching compound            | PVC                                 | 1 + 2                            | 497b                      |               |
| Selectamark (7mm) | 'Ice Blue' etching compound            | ABS plastic                         | 1 + 2                            | 497b                      |               |
|                   | 'Ice Blue' etching compound            | Enamel finished steel               | 1 + 2                            | 497b                      |               |
|                   | 'Ice Blue' etching compound            | Polycarbonate                       | 2 + 5                            | 497b                      |               |
|                   | 'Ice Blue' etching compound            | Polymethyl Methacrylate ("Perspex") | 1 + 3                            | 497b                      |               |
|                   | 'Ice Blue' etching compound            | PVC                                 | 1 + 2                            | 497b                      |               |
| Supermark (5mm)   | Label and 'Ice Blue' etching compound  | ABS plastic                         | 1 + 3                            | 497b                      | 497a/06       |
|                   | Label and 'Ice Blue' etching compound  | Enamel finished steel               | 1 + 2                            | 497b                      |               |

**PART 4: SECTION 14**

## ASSET MARKING SYSTEMS

| Product Name | Type of Marking Device                | Compatible Substrate                | Resistance Rating Classification | Database Reference Number | LPCB Ref. No. |
|--------------|---------------------------------------|-------------------------------------|----------------------------------|---------------------------|---------------|
|              | Label and 'Ice Blue' etching compound | Polycarbonate                       | 1 + 4                            | 497b                      |               |
|              | Label and 'Ice Blue' etching compound | Polymethyl Methacrylate ("Perspex") | 1 + 4                            | 497b                      |               |
|              | Label and 'Ice Blue' etching compound | Polypropylene                       | 1 + 2                            | 497b                      |               |
|              | Label and 'Ice Blue' etching compound | PVC                                 | 1 + 3                            | 497b                      |               |

A copy of the certificate, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

## **PART 4: SECTION 15**

### **'THEFT RESISTANT' ELECTRONIC PRODUCTS**

This section lists 'theft resistant' electronic products that have been assessed to LPS 1650 *Requirements and testing procedures for the LPCB approval and listing of 'theft resistant' electronic products*. This includes:

- In-car entertainment systems - PDA's
- DVD players and writers - Personal computers
- Health care equipment - Projectors and wipe boards
- Laptops - Printers
- Mobile telephones - Satellite navigation devices
- MP3 players - Televisions and screens

The attributes that make these products particularly desirable to thieves can be summarised into six elements and these elements are often referred to by the acronym CRAVED:

Concealable  
Removable  
Available  
Valuable  
Enjoyable  
Disposable.

Whilst each element can be used to determine which products are likely to be stolen, the frequency at which the thefts occur may ultimately depend on just one attribute, the ease at which the item can be disposed.

The intention of LPS 1650 is to encourage the use of effective security features that make it difficult to return the product to a 'saleable' condition if stolen, thus reducing the level to which they are craved by criminals.

Whilst the standard does not specify any one particular design of anti-theft technology, it includes requirements for the performance of the following types:

- Denial of service technologies, such as PIN codes, removal coded panels and electronic keys  
*Use of effective denial of service technology can prevent the product being enjoyed by persons other than the legitimate owner(s).*
- Asset marking systems (overt and covert) linked to secure databases providing traceability to the legal owner of the product  
*Asset marking that cannot be removed without damaging the product can make it harder for the thief to dispose of the item and reduce the value of the goods if removal is attempted.*
- Anchoring devices providing mechanical resistance against unauthorised removal of the product.  
*Secure fixing to a solid mounting surface can increase the effort required to remove the product.*
- Alarm /signalling technologies providing warning of attempted removal.  
*An audible alarm could make the product less concealable.*

The requirements and tests of LPS 1650 permit the assessment and rating of the performance of the anti-theft security features built into or supplied with the product.

Where appropriate, reference is made to specific requirements of standards such as:

- LPS 1224 *Requirements for secure database registers.*
- LPS 1225 *Requirements for the LPCB approval and listing of asset marking systems.*
- LPS 1214 *Specification for testing and classifying physical protection devices for personal computers and similar equipment and a number of other applicable European standards.*

The overall security performance rating achieved by a product is indicated by a series of security performance classifications, expressed in the format shown below. To meet the minimum requirement of LPS 1650, a product must achieve at least one denial of service classification.

Format of security performance classification:

DSTX - OX - XX+X+X - FX - AX

Where:

DSTX = Denial of service classification

OX = Overt marking classification

XX+X+X = Covert marking classification

FX = Anchoring device classification

AX = Alarm classification

Notes:

1. 'X' are numerals corresponding to the security performance classification achieved for each of the anti-theft technologies. The larger the value of X, the higher the security rating.
2. Products meeting only some of the classification requirements will only display those ratings that apply.

For details of the security performance rating parameters and their classification refer to LPS 1650.

## **PART 4: SECTION 16**

### **PADLOCKS AND PADLOCK FITTINGS**

This section lists padlocks and padlock fittings that have been approved to one or more of the following standards:

- LPS 1654: Issue 1 *Requirements and testing procedures for the LPCB approval and listing of padlocks*
- EN 12320: 2012 *Building hardware - Padlocks and padlock fittings - Requirements and test methods*

LPS 1654 was developed because it was considered the method for classifying the attack resistance of padlocks specified within the current European standard (EN 12320) was incompatible with that employed within LPS 1175: Issue 7 *Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers*. This was because:

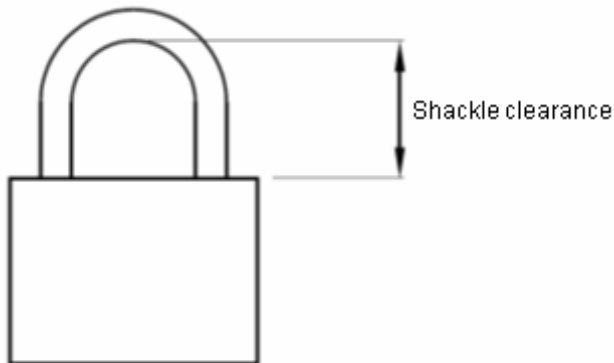
- The manual attack tests defined in EN 12320 did not take into consideration the wide range of tools and attack techniques available to an attacker.
- The tools, attack techniques and available working time defined in EN 12320 did not correspond with the security rating classification system defined in LPS 1175.

The security ratings defined in LPS 1654 are loosely based upon domestic risks (security ratings 1 and 2), commercial risks (security ratings 2, 3 and 4), high security risks (security ratings 5 and 6) and extremely high security facilities (security ratings 7 and 8).

When selecting padlocks, it is important to consider whether the hasp and staple, padbar or other device to which the padlock is fitted offers comparable resistance to manual attack.

The following definitions are used in this section:

- Padlock with closed shackle - A padlock with 'shoulders' on the top of the body that partially protect the shackle.
- Padlock with open shackle - A padlock with no 'shoulders' on the body, as illustrated in the figure below.
- Shackle clearance - The distance between the top of the padlock body and the underside of the shackle, as illustrated in the figure below.



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Certificate No: 1245a to LPS 1654: Issue 1



## PART 4: SECTION 16

### PADLOCKS AND PADLOCK FITTINGS

#### Padlocks

| Product Name             | Type  | Shackle Clearance (mm) | Security Rating <sup>1</sup> | LPCB Ref. No. |
|--------------------------|---|------------------------|------------------------------|---------------|
| Abloy PL340/25           | Padlock with open shackle                       | 25.0                   | 2+                           | 1245a/01      |
| Abloy PLI340/25          | Padlock with open shackle                       | 25.0                   | 2+                           | 1245a/14      |
| Abloy PLM340/25          | Padlock with open shackle                       | 25.0                   | 2+                           | 1245a/15      |
| Abloy PLLW340/25         | Padlock with open shackle                       | 25.0                   | 2+                           | 1245a/10      |
| Abloy PL342              | Padlock with closed shackle                     | 25.0                   | 2+                           | 1245a/02      |
| Abloy PL601              | Padlock with open shackle                       | 20.0                   | 2+                           | 1245a/05      |
| Abloy PL350/25           | Padlock with open shackle                       | 25.0                   | 3+                           | 1245a/03      |
| Abloy PLI350/25          | Padlock with open shackle                       | 25.0                   | 3+                           | 1245a/16      |
| Abloy PLM350/25          | Padlock with open shackle                       | 25.0                   | 3+                           | 1245a/17      |
| Abloy PLLW350/25         | Padlock with open shackle                       | 25.0                   | 3+                           | 1245a/11      |
| Abloy PLLW362            | Padlock with closed shackle                     | 25.0                   | 3+                           | 1245a/12      |
| Abloy PLLW639            | Padlock with open shackle                       | 25.0                   | 3+                           | 1245a/13      |
| Abloy PL362              | Padlock with closed shackle                     | 25.0                   | 3+                           | 1245a/04      |
| Abloy PL645              | Padlock with shackle protector                  | 22.0                   | 3+                           | 1245a/06      |
| Abloy PL654              | Padlock with shackle protector                  | 22.0                   | 3+                           | 1245a/07      |
| Abloy PL662              | Padlock with closed shackle                     | 25.0                   | 3+                           | 1245a/09      |
| Abloy PL660 <sup>2</sup> | Padlock with closed shackle and hasp and staple | 25.0                   | 4+                           | 1245a/08      |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 1179a to LPS 1654: Issue 1

#### Padlocks

| Product Name     | Type                        | Shackle Clearance (mm) | Security Rating <sup>1</sup> | LPCB Ref. No. |
|------------------|-----------------------------|------------------------|------------------------------|---------------|
| SS50S            | Padlock with open shackle   | 26.0                   | 2                            | 1179a/01      |
| SS50 M3ARX       | Padlock with open shackle   | 26.0                   | 2+                           |               |
| SS50CS           | Padlock with closed shackle | 16.0                   | 2                            |               |
| SS50C M3ARX      | Padlock with closed shackle | 16.0                   | 2+                           |               |
| SS65S LEV3       | Padlock with open shackle   | 29.0                   | 3                            | 1179a/02      |
| SS65 M3ARX LEV3  | Padlock with open shackle   | 29.0                   | 3+                           |               |
| SS65CS LEV3      | Padlock with closed shackle | 19.0                   | 3                            |               |
| SS65C M3ARX LEV3 | Padlock with closed shackle | 19.0                   | 3+                           |               |
| SS80S            | Padlock with open shackle   | 34.5                   | 3                            | 1179a/03      |
| SS80NW4          | Padlock with open shackle   | 34.5                   | 3                            |               |
| SS80CS           | Padlock with closed shackle | 22.5                   | 3                            |               |
| SS80CNW4         | Padlock with closed shackle | 22.5                   | 3                            |               |

A copy of the certificate, confirming the full scope of approval including notes relating to the superscript references in the above table, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 1441a to LPS 1654: Issue 1

## **PART 4: SECTION 16**

### **PADLOCKS AND PADLOCK FITTINGS**

#### ***Padlocks***

| <b>Product Name</b>       | <b>Type</b>                   | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|---------------------------|-------------------------------|------------------------|----------------------|
| ISEO-Locken P3SA160504M   | Padlock with retained shackle | 2                      | 1441a/01             |
| ISEO-Locken P3SA160504MEX | Padlock with retained shackle | 2                      | 1441a/02             |
| ISEO-Locken P3SA180274M   | Padlock with retained shackle | 3                      | 1441a/03             |
| ISEO-Locken P3SA180274MEX | Padlock with retained shackle | 3                      | 1441a/04             |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)

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Certificate No: 1452a to LPS 1654: Issue 1

#### ***Padlocks***

| <b>Product Name</b> | <b>Type</b>                                | <b>Security Rating</b> | <b>LPCB Ref. No.</b> |
|---------------------|--|------------------------|----------------------|
| P6062               | Padlock with retained shackle              | 2                      | 1452a/01             |
| P8065               | Padlock with retained or removable shackle | 3                      | 1452a/02             |
| P8093               | Padlock with retained or removable shackle | 3                      | 1452a/03             |

A copy of the certificate, confirming the full scope of approval, may be viewed online by clicking on the product name in the associated entry on [www.RedBookLive.com](http://www.RedBookLive.com)