
LPCB Red Book



2

Part: 2

Fire doors and shutters

bre

Foreword by the United Arab Emirates (UAE) Acting Commander in Chief, Major General Rashid Thani Al Matrooshi

As the dynamic environment in our Region progresses, we the UAE Civil Defence Authority, has set forth a number of strategic goals for the delivery of public safety. Our strategic goals observe both the national and Ministry of Interior's strategic plan by;

“Providing an effective firefighting and emergency response system delivered by qualified and well trained people using the latest technologies to ensure lives and properties are safeguarded”

As a result, the UAE can be 'benchmarked' with other Countries that are witnessing a decline in fires and incidents when compared to the density of population. As an example, the number of fire incidents has been reduced by 39% in 2011 compared to 2010, with a marked reduction in small and medium fire incidents, together with a high percentage achievement of a 9 minute response time for first attendance at incidents.

“Providing excellent performance and support during disasters and crises”

Confirmation of performance and support are achieved during disasters and crisis situations. Civil Defence Departments conduct a range of joint fire safety and evacuation drills in association with other safety agencies for both the public and private sectors. Evacuation drills carried out in Dubai during 2011 was estimated at 356 drills, which targeted 178,530 persons. Customer satisfaction percentage achieved was 97.2%. The number of drills carried out has increased by 142.4% compared to the target number set out in our annual plan.

“Spreading a fire safety and awareness culture across the community “

In this regard, a National Safety campaign was launched targeting 'domestic safety' with an achieved target of 50% of homes in UAE being visited during a six month period. This was aimed at preventive awareness and removing violations which threaten public safety. During the campaign, 206,490 houses (61.4% of the total dwellings) were visited, again with a marked customer satisfaction percentage of 92%.

Similarly a National Safety campaign was also executed at industrial areas, with teams visiting industrial facilities at different industrial areas across the country. 31,647 facilities were inspected. The teams also managed to correct violation situations in 13,400 facilities and 53,426 people were trained in the basic skills of firefighting and awareness.

“Equipping operations with the best and appropriate equipment and technologies”

The latest state of the art technologies have been introduced for various services such as, 'e-engineering' for online drawing approval and the '24 x 7 smart system' for building electronic monitoring and protection. Currently 61.7% of buildings are connected to the system and 95.7% surveyed for connection.

In addition, the 'UAE Fire and Life Safety Code of Practice' with our Standard Operating Procedures (SOPs) is considered a first in the region. This will contribute to reduced costs and effort. Ultimately this will result in a decrease in accidents and improve command and control mechanisms.

“Achieving Strategic Partnership with Public/Private and Voluntary Organizations”

By ensuring, through careful selection, that products, systems and installers are approved with a listing by Civil Defence, following rigorous third party certification. This ensures that locally we receive the best performance of fire safety products, systems and technologies.

LPCB is widely recognised as an independent reference for all fire and security safety experts. Their testing laboratories and approvals services together with their leading team of highly qualified expert scientists and engineers, guides us all impeccably towards a qualified framework.



Major General Rashid Thani Al Matrooshi

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 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

VOLUME 2 LIST OF APPROVED PRODUCTS AND SERVICES

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

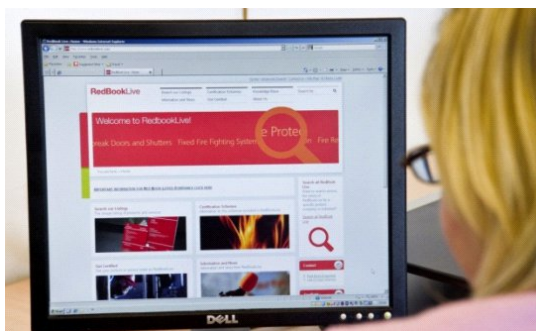
Volume 2: (This Volume)

- **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 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.

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)

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:-



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Part

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*FIRE DOORS, SHUTTERS
AND INSTALLERS OF FIRE
AND SECURITY DOORS*

PART 2: FIRE DOORS, SHUTTERS AND INSTALLERS OF FIRE AND SECURITY DOORS

INTRODUCTION

Fire doors and shutters contribute to the passive fire protection of buildings by maintaining the:

- fire separation of compartment walls, while allowing the passage of persons or objects
- fire separation in shafts or service ducts that penetrate compartment floors
- protection provided by walls forming protected routes for means of escape.

In addition to careful design and product selection, it is recommended that all products are installed and maintained by LPCB approved contractors who have demonstrated their competence.

Products

Doors and shutter assemblies are approved in accordance with: LPS 1056: *Test and Evaluation Requirements for the Approval and Listing of Fire Doorsets, Lift Landing Doors and Shutter Assemblies.*

The fire testing element of this LPS is based on BS 476:Part 20 - *Method for determination of the fire resistance of elements of construction (general principles)* or EN 1634-1 *Fire resistance test for doors and shutter assemblies- Part 1: Fire doors and shutters* and EN 81-58 *Landing doors fire resistance test.*

LPS 1056 also includes requirements for the reliability testing of the door and shutter assemblies, and assessment procedures for doors and shutters that are too big to be directly fire tested.

Installation contractors

LPCB approved installation contractors are assessed in accordance with: LPS 1271: *Requirements for LPCB Approval and Listing of companies installing fire and security doors, doorsets, shutters and active fire/smoke barriers.*

Maintenance contractors

LPCB approved maintenance contractors who repair and maintain fire doors and shutters are approved in accordance with: LPS 1197: *Requirements for LPCB Approval and Listing of companies inspecting, repairing and maintaining fire and security doors, doorsets, shutters and active fire/smoke barriers.*

This section lists firebreak doorsets and shutters approved to:-

- LPS 1056 *Test and Evaluation requirements for the LPCB Approval and Listing of Fire Doorsets, Lift Landing Doors and Shutter Assemblies*. LPS 1056 is based upon relevant BS or European test criteria and not only looks at the fire integrity and insulation (where applicable) but also includes reliability cyclic tests and grading, or
- EN 81-58 *Landing doors fire resistance test*, and/or
- EN 1634-1 *Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware*. *Fire resistance test for door and shutter assemblies and openable windows*

For details of the specific fire resistance required for firebreak doors and shutters for different building types, see the *LPC Design Guide for the Fire Protection of Buildings:2000*.

Where insulation is marked as 0, this denotes that the insulation was not measured or that it could not be measured in accordance with the relevant standard.

Alufire Sp.Z o.o.Sp.K

Ul. Warszawka 64a, 87-148 Lysomice K. Torunia, , Poland

Tel: +48 56 674 88 11 • Fax: +48 56 674 88 10

E-mail: biuro@alufire.pl • Website: <http://www.alufire.biz.pl/>

Certificate No: 1406b to LPS 1056

Product Name	LPCB Ref. No.
ALUFIRE EI30 single leaf	1406b/01
ALUFIRE EI30 double leaf	1406b/02
ALUFIRE EI60 single leaf	1406b/03
ALUFIRE EI60 double leaf	1406b/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 certificate link in the associated entry on www.RedBookLive.com

Ascot Doors Limited

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

Tel: +44 (0)1204 545801 • Fax: +44 (0)1204 545800

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

Certificate No: 131a to LPS 1056: Issue 6

Product Name	Spec.	Door Type	Max Height (m)	Max Width (m)	Max Area (m ²)	Fire Resistance (min) BS 476: Part 22 Integrity / Insulation	LPCB Ref. No.
A200 Series	4	Rolling Shutter	6.00	9.00	54.00	240 / 0	131a/01

Notes:

1. LPCB Ref No. 131a/01 - for a list of the sizes for the shutter dimensions up to the stated please refer to BRE Global Assessment Report CC200913 Review 1.

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FIREBREAK DOORS AND SHUTTERS

Clark Door Limited

Unit F Central, Kingmoor Park, Carlisle, Cumbria CA6 4SJ, United Kingdom

Tel: +44 (0)1228 522321 • Fax: +44 (0)1228 401854

E-mail: mail@clarkdoor.com • Website: www.clarkdoor.com

Certificate No: 106a to LPS 1056: Issue 6

Fireman

Product Name	Door Type	Max Height (m)	Max Width (m)	Max Area (m ²)	Fire Resistance (min) BS 476: Part 22 Integrity	Fire Resistance (min) BS 476: Part 22 Insulation	Reliability (self closing durability Ref. LPS 1056 Clause 3.6)	LPCB Ref. No.
Fireman	Sliding door	4.0	4.0	16.00	240	0	No performance determined	106a/01
	Single leaf hinged door	2.76	1.423	3.57	240	0	No performance determined	106a/02
	Double leaf hinged door	2.76	2.845	7.15	240	0	No performance determined	106a/03

Notes:

- Clark Door Ltd are also approved under LPS 1271 for installation of Fireman series of fire rated doorsets.
- 106a/02 & 106a/03 - Vision panels, 6.5mm thick Pyroshield clear glass with maximum dimensions 1000mm wide x 1000mm high. Maximum area 1m²
- 106a/03 - Double leaf doors, passive leaf must be fitted with a 3-point latching mechanism that engages in the top of frame, sill and the active leaf, and the active leaf must be fitted with a full length astragal that overlaps the passive leaf by at least 25mm.
- 106a/01, 106a/02, & 106a/03 - Door leaf skins can be fabricated from galvanised mild steel or grade 316 stainless steel.
- 106a/01, 106a/02, & 106a/03 - The doorsets can be installed in a rigid supporting construction such as brick, blockwork or concrete. The doorsets can also be installed in a composite wall panel system which provides equal or greater fire resistance than the doorset, when installed in a composite wall panel system the minimum fixing detail described in assessment report CC213834 shall be provided.

gte Brandschutz AG

Hamburger Straße 2, D-14532 Stahnsdorf, Germany

Tel: +49 3329 6359-0 • Fax: +49 3329 6359-25

E-mail: philip.capellen@gte.ag • Website: www.gte.ag

Certificate No: 735a to LPS 1056: Issue 6.1

Product Name	Door Type	Max Height (m)	Max Width (m)	Max Area (m ²)	Fire Resistance (m) BS 476: Part 22 Integrity	Fire Resistance (m) BS 476: Part 22 Insulation	LPCB Ref. No.
CSS	Vertical sliding conveyor system shutter	1.3	1.4	1.82	90	90	735a/01
	Horizontal sliding conveyor system shutter	1.3	1.4	1.82	90	90	735a/02
	Flap type conveyor system shutter (Single)	1.3	1.1	1.43	90	90	735a/03
	Flap type conveyor system shutter (Stacked)	0.85	1.1	0.935	90	90	735a/04

Notes:

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FIREBREAK DOORS AND SHUTTERS

- LPCB Product Ref. No's 735a/01, /02, /03 & /04 suitable for installation into masonry walls and Durasteel partitions as described in Assessment report No. CC221812.
- CSS conveyor system shutters must be regularly maintained in line with the gte Brandschutz recommendations.

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 • Website: www.hartdoors.com

Certificate No: 016a to LPS 1056: Issue 6

Product Name	Door Type	Max Height (m)	Max Width (m)	Max Area (m ²)	Fire resistance (min) BS 476 Part 22 Integrity / Insulation	Reliability (self closing durability ref. LPS 1056 clause 3.6)	LPCB Ref. No.
Firebrand	Face-fixed Rolling shutter	7.0	7.0	49.0	240/0	No performance determined	016a/01
	Face-fixed Rolling shutter	3.250	2.750	8.937	60/0	No performance determined	016a/02

Notes

- LPCB ref. 016a/01 and 016a/02 for a list of detailed specification and component sizes for the shutter dimensions up to the maximum stated please refer to BRE Global assessment CC92909 review 2.
- LPCB ref. 016a/01 The Firebrand shutter is approved for use when built into masonry/concrete or steel supporting constructions having a fire resistance greater or equal to that required of the doorset itself as detailed in BRE Global assessment CC92909 review 2.
- LPCB ref. 016a/02 The Firebrand shutter is approved for use when built into a non-loadbearing drywall partition system having a fire resistance greater or equal to that required of the doorset itself as detailed in BRE Global assessment CC92909 review 2.
- Hart Door Systems Ltd are also approved under LPS 1271 for installation of Firebrand rolling shutters.

Hoermann (Beijing) Door Production Co. Limited

No. 13 Zhong He Street, BDA, Beijing 100176, China
 Tel: +86 (0) 10 87223 400
 E-mail: sascha.weckesser.bj@hoermann.cn • Website: www.hoermann.cn

Certificate No: 1101a to LPS 1056

Product Name	Maximum Leaf Size Height (mm)	Maximum Leaf Size Width (mm)	Maximum Leaf Size Area (m ²)	VisionPanel GlassType	VisionPanel Maximumclear viewheight (mm)	VisionPanelMaximumclear viewwidth (mm)	VisionPanel Maximumclear view area (m ²)	EN 1634-1:2008 Fire Resistance (minutes) Integrity	EN 1634-1:2008 Fire Resistance (minutes) Insulation	LPCB Ref. No.
HFE60-1G Single leaf doorset	2450	1114	2.73	Pilkington Glass	600	400	0.24	60	30	1101a/01
HFE60-2G Double leaf doorset	2450	1040	2.55	Pilkington Glass	600	400	0.24	60	30	1101a/02

Notes:

- The approved doorsets have been approved for use with the following hardware types:
 - Hinges - three Yin shi model 3D- 160ZW stainless steel 3D hinges (160mm x 111mm x 3.5mm thick). Fixed using five M5 x 18mm long screws per hinge.
 - Locking mechanism - Steel Model ECO an ECO100 lockset, size 235mm long x 97mm wide x 24mm thick.
 - Door furniture - all door furniture shall be manufactured from Stainless steel.
 - Door closer - Steel GEZE TS4000 size 287mm long x 60mm wide x 24mm thick for use with single and double leaf doorsets.
 - Each door leaf incorporates a 23mm thick Pilkington insulated glass vision panel fitted using a beading of 1.5mm thick G.M.S, insulated with 25mm by 2mm thick fire seal. Fixed using M5 x 60mm long screws.

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FIREBREAK DOORS AND SHUTTERS

2. LPCB Ref. Nos. 1101a/01 and 1101a/02, doorsets have been tested in a concrete line surround and are approved when installed in masonry or concrete wall surround with 1.5mm thick G.M.S. frame. Fixed using two M8 x 60mm long anchor bolts welded to 105mm x 47mm x 3mm thick steel plate at maximum 850 mm centres. The door frame gap is filled / insulated with cement sand mortar.

Hörmann KG Freisen

Bahnhofstrasse 43, D-66629 Freisen, Germany

Tel: +49 (0) 6855 9930 • Fax: +49 (0)6855 993 197

E-mail: k.schmitt.frs@hoermann.de • Website: www.hoermann.de

Certificate No: 655a to LPS 1056: Issue 6.2

Product Name	LPCB Ref. No.
HBS 60 C-1	655a/07
HBS 60 C-2	655a/08
HBS 90 C-1	655a/09
HBS 90 C-2	655a/10
HBS 120 C-1	655a/11
HBS 120 C-2	655a/12
HBS 30 D-1	655a/13
HBS 60 D-1	655a/14
HBS 90 D-1	655a/15
HBS 30 F-2	655a/16
HBS 60 F-2	655a/17
HBS 90 F-2	655a/18

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 certificate link in the associated entry on www.RedBookLive.com

Industrial Door Engineering Limited

Winnington Avenue, Winnington, Northwich, Cheshire CW8 4EQ, United Kingdom

Tel: +44 (0)1606 871832 • Fax: +44 (0)1606 871482

E-mail: sales@industrial-door-eng.co.uk • Website: www.industrial-door-eng.co.uk

Certificate No: 165a to LPS 1056: Issue 6

Product Name	Door Type	Max Height (m)	Max Width (m)	Max Area (m ²)	Fire Resistance (min) BS 476: Part 22 Integrity	Fire Resistance (min) BS 476: Part 22 Insulation	Reliability (self closing Durability Ref LPS 1056 Clause 3.6)	LPCB Ref. No.
Sentry	Rolling shutter	7.0	7.0	49.0	240	0	No performance determined	165a/01
Sentry 2	Rolling shutter	7.0	7.0	49.0	120	0	No performance determined	165a/02
Sentry 1 Compact	Rolling shutter	2.20	3.40	7.48	60	0	No performance determined	165a/03
Sentry 1	Rolling shutter	2.20	2.20	4.84	60	0	No performance determined	165a/04

Notes:

1. LPCB Ref No. 165a/03 - Sentry 1 Compact rolling shutter can be fitted with either the flat or curved lath.

2. Industrial Door Engineering Limited are also Certified for the installation of fire rated Sentry rolling shutters against the requirements of LPS 1271.

Kone Corporation

Kartanontie 1, Helsinki FI00330, Finland

Tel: +39 02 3395 2505

Website: www.kone.com

Certificate No: C1209a/C1210a to EN 81-58, EN 1634-3

KES201 and KES600

Product Name	LPCB Ref. No.
KES201 (AMDL/V2.0)	1209a/01 & 1210a/01
KES600 (AMDL/V2.0)	1209a/02 & 1210a/02

LBS Security Services Limited T/A LBS Group

Unit 6, Sterling Trading Estate, Rainham Road South, Dagenham, Essex RM10 8TX, United Kingdom

Tel: +44 (0)208 526 8572 • Fax: +44 (0)208 984 0378

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

Certificate No: 247b to LPS 1056: Issue 5

Fireguard

Product Name	Door Type	Max Height (m)	Max Width (m)	Max Area (m ²)	Fire Resistance Integrity/Insulation (min)	LPCB Ref. No.
Fireguard	Rolling shutter	7.0	10.0	49.0	240/0	247b/01

Notes:

1. LPCB Ref 247b/01 - for a list of the component's and sizes for the shutter dimensions up to the maximum stated please refer to BRE Global assessment CC203994 Rev 2.

Lincs Doors Limited

Innovation Way, Europarc, Grimsby, North East Lincolnshire DN37 9TT, United Kingdom

Tel: +44 (0)1472 311057 • Fax: +44 (0)1472 311058

E-mail: enquiries@lincsdoors.co.uk • Website: www.lincsdoors.co.uk

Certificate No: 777a to LPS 1056: Issue 6

Product Name	LPCB Ref. No.
Pyroshield	777a/01
	777a/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 certificate link in the associated entry on www.RedBookLive.com

Mercian Shutters Limited

Pearsall Drive, Brades Road Industrial Estate, Oldbury, West Midlands B69 2RA, United Kingdom

Tel: +44 (0)121 544 6124 • Fax: +44 (0)121 552 6793

E-mail: info@merciandoors.co.uk • Website: www.merciandoors.co.uk

Certificate No: 355b to LPS 1056: Issue 5 excluding installation

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FIREBREAK DOORS AND SHUTTERS

Product Name	Spec.	Door Type	Max Height (m)	Max Width (m)	Max Area (m ²)	Fire Resistance (min) BS 476: Part 22 Integrity	Fire Resistance (min) BS 476: Part 22 Insulation	LPCB Ref. No.
SF Series	4	Rolling shutter	7.00	7.00	49.00	60, 120 & 240	0	355b/01
		Rolling shutter	5.00	10.0	50.00	60 & 120	0	

Notes:

- SF series rolling shutters ref 355b/01 - Reference must be made to assessment report no CC242948 issue 2 dated 11 June 2008 to confirm component dimensions relevant to the system size and fire resistance required.
- Mercian Shutters Ltd are also approved under LPS 1271 for installation of SF Series fire rated rolling shutters.

Middle East Insulation

P O Box 14225, Dubai, United Arab Emirates

Tel: +971 48801600 • Fax: +971 48801700

E-mail: contact@mei-uae.com

Certificate No: 708a to LPS 1056: Issue 6

Product Name	LPCB Ref. No.
FORT / HC Single leaf doorset	708a/01
	708a/03
	708a/05
FORT / HC double leaf doorset	708a/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 certificate link in the associated entry on www.RedBookLive.com

Saudi Factory for Fire Equipment Co.

Al-Kharj Road, 2nd Industrial Area, PO Box 4441, Riyadh 14334, Kingdom of Saudi Arabia

Tel: +966 1 265 0070 • Fax: +966 1 265 2190

E-mail: qa@sffeco.com.sa • Website: www.sffeco.com

Certificate No: 403c to LPS 1056: Issue 6

Product Name	LPCB Ref. No.
SFFECO FIRE DOOR	403c/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 certificate link in the associated entry on 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 • Website: www.sunraydoors.co.uk

Certificate No: 234b to LPS 1056: Issue 6.1

Product Name	Door Type	Max Height (m)	Max Width (m)	Max Area (m ²)	Vision panel glass type	Vision panel maximum clear view height (mm ²)	Vision panel maximum clear view width (mm ²)	Vision panel maximum clear view area (m ²)	Fire resistance (min) BS 476: Part 22 Integrity/Insulation	LPCB Ref. No.
ExcluDoor 4	Single-leaf hinged door	2.250	1.050	2.400	-	-	-	-	30 / 0	234b/01
ExcluDoor 4 Mk2 FR	Single-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision Panel	-	-	-	180 / 0	234b/02
	Single-leaf hinged door	2.350	1.155	2.71	-	-	-	-	240 / 0	

PART 2: SECTION 1.1

FIREBREAK DOORS AND SHUTTERS

Product Name	Door Type	Max Height (m)	Max Width (m)	Max Area (m ²)	Vision panel glass type	Vision panel maximum clear view height (mm ²)	Vision panel maximum clear view width (mm ²)	Vision panel maximum clear view area (m ²)	Fire resistance (min) BS 476: Part 22 Integrity/Insulation	LPCB Ref. No.
	Single-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision Panel	280	380	0.1064	60 / 0	
	Double-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision Panel	280	380	0.1064	60 / 0	234b/03
	Double-leaf hinged door	2.702	1.328	3.25	-	-	-	-	240 / 0	
	Unequal width Double-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision Panel	280	380	0.1064	60 / 0	
	Unequal width Double-leaf hinged door	2.702	1.328	3.25	-	-	-	-	240 / 0	

Notes:

For BS 476: Part 22 applications

- LPCB Ref 234b/01, 234b/02 and 234b/03 are also certified to Security Rating 4 against the requirements of LPS 1175.
- Sunray Engineering Ltd is also approved to LPS 1271 for installation of fire and security doors, see approval listing for details.
- LPCB Ref No. 234b/02 and 234b/03, Doorsets are approved to withstand a fire exposure to the closing side only as detailed in BRE Assessment CC 285805B
- LPCB Ref No. 234b/02 and 234b/03, may be fitted with one or more Eurospec SWE1010 stainless steel door viewers.
- LPCB Ref No 234b/02 and 234b/03, the ExcluDoor 4 Mk2, double leaf doorset, may have a vision panel installed in either the passive or the active leaf.

Certificate No: 234b to LPS 1056: Issue 6.1

Product Name	Door Type	Max leaf Height (m)	Max leaf Width (m)	Max leaf Area (m ²)	Vision panel glass type	Vision panel maximum clear view height (mm ²)	Vision panel maximum clear view width (mm ²)	Vision panel maximum clear view area (m ²)	Fire resistance (min) EN 1634-1:2008 Integrity / Insulation	LPCB Ref. No.
ExcluDoor 4, Mk2 FR	Single-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision Panel	-	-	-	180 / 0	234b/02
ExcluDoor 4 Mk2 FR	Single-leaf hinged door	2.350	1.155	2.71	-	-	-	-	240 / 0	
	Single-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision Panel	280	380	0.1064	60 / 0	
	Double-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision Panel	280	380	0.1064	60 / 0	234b/03
	Double-leaf hinged door	2.702	1.328	3.25	-	-	-	-	240 / 0	
	Unequal width Double-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision Panel	280	380	0.1064	60 / 0	
	Double-leaf hinged door	2.702	1.328	3.25	-	-	-	-	240 / 0	
	Unequal width Double-leaf hinged door	2.702	1.328	3.25	-	-	-	-	240 / 0	
ExcluDoor 3 Mk3 FR	Single-leaf hinged door	2.702	1.328	3.25	-	-	-	-	180 / 0	234b/04
	Single-leaf hinged door	2.350	1.155	2.71	-	-	-	-	240 / 0	
	Single-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision Panel	280	380	0.1064	240 / 0	
	Double-leaf hinged door	2.702	1.328	3.25	-	-	-	-	340 / 0	234b/05
	Double-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision Panel	280	380	0.1064	60 / 0	
	Unequal width Double-leaf hinged door	2.702	1.328	3.25	-	-	-	-	240 / 0	
	Double-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision Panel	280	380	0.1064	60 / 0	

Notes:

For EN 1634-1:2008 applications

- LPCB Ref: 234b/02, 234b/03, 234b/04 and 234b/05 Doorsets may be fitted with a plain outer face so that there is no method of external access.
- LPCB Ref: 234b/02, 234b/03, 264b/04 and 234b/05 are also certificated to Security Rating 4 against the requirements of LPS 1175.
- Sunray Engineering Ltd is also approved to LPS 1271 for installation of fire and security doors, see approval listing for details.

PART 2: SECTION 1.1

FIREBREAK DOORS AND SHUTTERS

4. LPCB ref no 234b/02, 234b/03, 234b/04 and 234b/05, Doorsets are approved to withstand a fire exposure to the closing side only as detailed in BRE Assessment CC 285805A
5. LPCB ref no 234b/02, 234b/03, 234b/04 and 234b/05 may be fitted with one or more Eurospec SWE1010 stainless steel door viewers.
6. LPCB ref no 234b/02, 234b/03, 234b/04 and 234b/05, the ExcluDoor 4 MK2, double leaf doorsets, may only have the vision panel installed in the active leaf.
7. LPCB Ref: 234b/02, 234b/03, 234b/04 and 234b/05, Doorsets are approved with the following Surelock Slimline three-point lock system as shown below.

Description	Code	Entry			Exit				
		Key	Access control	Combination	Key	Turnknob	Access control	Panic	Emergency
3-point bolting	SL304	*						✓	
3-point bolting	SL305	*							✓
3-point deadlocking	SL301	✓			✓			✓	
3-point deadlocking	SL303					✓		✓	
3-point deadlocking	SL310	✓							
3-point deadlocking	SL311	✓			✓			✓	
3-point deadlocking	SL313	✓				✓		✓	
3-point deadlocking	SL314	✓						✓	
3-point deadlocking	SL315	✓							✓
3-point deadlocking	SL320	*	✓						
3-point deadlocking	SL321	*	✓		✓	✓	✓	✓	
3-point deadlocking	SL322	*	✓				✓		
3-point deadlocking	SL323	*	✓			✓	✓	✓	
3-point deadlocking	SL324	*	✓					✓	
3-point deadlocking	SL325	*	✓						✓
3-point deadlocking	SL330			✓					
3-point deadlocking	SL335			✓					✓

✓ - included as standard

* - optional enhancement

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 • Website: www.technocover.co.uk

Certificate No: 450g to LPS 1056: Issue 6

PART 2: SECTION 1.1

FIREBREAK DOORS AND SHUTTERS

Product Name	Door Type	Maximum Leaf Size Height (mm)	Maximum Leaf Size Width (mm)	Maximum Leaf Size (m ²)	Door Hardware Variations	BS476: Part 22 Fire resistance (minutes) Integrity	BS476: Part 22 Fire resistance (minutes) Insulation	LPCB Ref. No.
Sentinel UltraSecure	DS1/LV Single leaf outward opening hinged doorset uninsulated	2200	940	2.06	SM3,SM4,SM6,SM7, SM8,SM10,SM13,SM14, SM16,SM17,SM18,SM20 SM23,SM24,SM26,SM27, SM28 & SM30.	240	0	450g/01
	DS1/LV Single leaf outward opening hinged doorset uninsulated	2640	1128	2.58	SM3,SM4,SM6,SM7, SM8,SM10,SM13,SM14, SM16,SM17,SM18,SM20 SM23,SM24,SM26,SM27, SM28 & SM30.	120	0	
	DS2/LV Double leaf outward opening hinged doorset uninsulated	2768	1218	2.80	SM3,SM4,SM6,SM7, SM8,SM10,SM13,SM14, SM16,SM17,SM18,SM20 SM23,SM24,SM26,SM27, SM28 & SM30.	120	0	450g/02
	DS2/LV Double leaf outward opening hinged doorset uninsulated	2215	975	2.15	SM3,SM4,SM6,SM7, SM8,SM10,SM13,SM14, SM16,SM17,SM18,SM20 SM23,SM24,SM26,SM27, SM28 & SM30.	240	0	

Notes:

1. The Sentinel UltraSecure Doorsets are also certified to Security Level 3 & 4 against the requirements of LPS1175: Issue 6.
2. LPCB ref 450g/01 & 450g/02, for approved Door Hardware Variations please refer to Manufacturer's Technical Literature.
3. LPCB ref 450g/01 & 450g/02, the Sentinel UltraSecure Doorsets are approved when installed in concrete/masonry walls or drywall partitions.

PART 2: SECTION 1.2

LIFT LANDING DOORS

This section lists lift landing doors approved to LPS 1056 *Test and Evaluation requirements for the LPCB Approval and Listing of Fire Doorsets, Lift Landing Doors and Shutter Assemblies*. LPS 1056 is based upon relevant BS or European test criteria and not only looks at the fire integrity and insulation (where applicable) but also includes reliability cyclic tests and grading.

Currently there are no products listed in this section.

Kone Corporation

Kartanontie 1, Helsinki FI00330, Finland

Tel: +39 02 3395 2505

Website: www.kone.com

Certificate No: 1418a to EN 81-58:2003

Product Name	LPCB Ref. No.
KES 800 (non-insulated)	1418a/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 certificate link in the associated entry on www.RedBookLive.com

Certificate No: 1418b to EN 81-58:2003

Product Name	LPCB Ref. No.
KES 800 (glazed)	1418b/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 certificate link in the associated entry on www.RedBookLive.com

This section lists companies approved to LPS 1271 *Requirements for LPCB Approval and Listing of companies installing fire and security doors, doorsets, shutters and smoke/fire barriers*. This standard was developed to ensure that the product performance is not compromised by poor installation of the fire or security door or shutter. This section includes manufacturers installing doors and independent installation companies.

The latest version is LPS 1271: Issue 2.

Information regarding the security of doors is available in Part 4: Section 5.

Avert Fire (UK) Ltd

P O Box 248, Dawes lane, Scunthorpe DN16 1DW, United Kingdom
Tel: +44 (0)1724 853712 • Fax: +44 (0)1724 278848
E-mail: admin@avertfire.co.uk; • Website: www.avertfire.co.uk

Certificate No. 850Pla to LPS 1271: Issue 2

Approved installer of:
- Fire Doors and Doorsets

Checkmate Fire Solutions Ltd

Unit B9, Lowfields Close, Lowfields Business Park, Elland, West Yorkshire HX5 9DX, United Kingdom
Tel: +44 (0) 1279 850021 • Fax: +44 (0) 1279 850061
E-mail: info@checkmatefire.com • Website: www.checkmatefire.com

Certificate No. 860Plb to LPS 1271: Issue 2

Approved installer of:
- Fire Doors and Doorsets

Checkmate Fire Solutions Ltd

Unit 1, Woodgates Farm, Woodgates End, Dunmow, Essex CM6 2BN, United Kingdom
Tel: +44 (0) 1279 850021
E-mail: info@checkmatefire.com • Website: www.checkmatefire.com

Certificate No. 860Plb to LPS 1271: Issue 2

Approved installer of:
- Fire Doors and Doorsets

Clark Door Limited

Unit F Central, Kingmoor Park, Carlisle, Cumbria CA6 4SJ, United Kingdom
Tel: +44 (0)1228 522321 • Fax: +44 (0)1228 401854
E-mail: mail@clarkdoor.com • Website: www.clarkdoor.com

Certificate No. 106b to LPS 1271: Issue 2

Appendix 2 - Fire doors and doorsets

PART 2: SECTION 2

FIRE AND SECURITY DOOR AND SHUTTER INSTALLERS

Ductclean (UK) Limited

1 Woodfield Road, Welwyn Garden City, Hertfordshire AL7 1JQ, United Kingdom

Tel: 0870 1129196 • Fax: 0870 112 9197

E-mail: jamie.carraher@ductclean.co.uk • Website: www.ductclean.co.uk

Certificate No. 1276PI to LPS 1271: Issue 2

Approved installer of:
- Fire Doors and Doorsets

Grange Door Systems

Unit 18/8 Dryden Road, Bilston Glen Industrial Estate, Edinburgh EH20 9LZ, United Kingdom

Tel: +44 (0)131 440 7000

E-mail: sales@grangedoor.com • Website: www.grangedoor.com

Certificate No. 573b to LPS 1271: Issue 2

Approved installer of:
- Fire Doors and Doorsets

Gunfire Trading Divison of Gunite (Eastern) Limited

Endeavour House, Compass Point, St Ives, Cambridgeshire PE27 5JL, United Kingdom

Tel: +44 (0)1480 466880 • Fax: +44 (0)1480 308999

E-mail: admin@gunite.co.uk • Website: www.gunite.co.uk

Certificate No. 848Pla to LPS 1271: Issue 2

Approved installer of certified fire doors and doorsets

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 • Website: www.hartdoors.com

Certificate No. 016b to LPS 1271: Issue 1

Approved installer of Firebrand fire rated rolling shutters.

Industrial Door Engineering Limited

Winnington Avenue, Winnington, Northwich, Cheshire CW8 4EQ, United Kingdom

Tel: +44 (0)1606 871832 • Fax: +44 (0)1606 871482

E-mail: sales@industrial-door-eng.co.uk • Website: www.industrial-door-eng.co.uk

Certificate No. 165c to LPS 1271: Issue 1

Approved installer of Sentry, Sentry 1, Sentry 1 Compact and Sentry 2 fire rated rolling shutters.

Manning Construction Limited

Brodawel, Coychurch, Bridgend CF35 5BU, United Kingdom

Tel: 01656 862333 • Fax: 01656 861439

E-mail: seuston@manning-online.com • Website: www.manning-online.com

Certificate No. 1141PI to LPS 1271: Issue 2

Approved installer of certified fire doors and shutters

Mercian Shutters Limited

Pearsall Drive, Brades Road Industrial Estate, Oldbury, West Midlands B69 2RA, United Kingdom

Tel: +44 (0)121 544 6124 • Fax: +44 (0)121 552 6793

E-mail: info@merciandoors.co.uk • Website: www.merciandoors.co.uk

Certificate No. 355c to LPS 1271: Issue 2

Approved installer of SF series of fire rated rolling shutters.

Nene Valley Fire and Acoustic Limited

2a New Street, Irthlingborough, Northamptonshire NN9 5UG, United Kingdom

Tel: +44 (0) 1933 650650 • Fax: +44 (0) 1933 650001

E-mail: enquiries@nenevalleyfire.com • Website: www.nenevalleyfireandacoustic.com

Certificate No. 1021PIb to LPS 1271: Issue 2

Approved installer of:
- Fire Doors and Doorsets

Prestige Fire Door Services Limited

28 Waterfront Business Park, Fleet, Hampshire GU51 3QT, United Kingdom

Tel: +44 (0)1252 645534 • Fax: +44 (0)1252 678742

E-mail: admin@prestigefiredoorservices.com • Website: www.prestigefiredoorservices.com

Certificate No. 1066PI to LPS 1271: Issue 2

Approved Installer of certified fire doors and doorsets

R Lewis & Co. (UK) Ltd

Unit 7 and 8, Parklands Industrial Estate, East Moors Road, Cardiff CF24 5JP, United Kingdom

Tel: +44 (0) 2920 215716

E-mail: craig@rlewisandcoukLtd.com • Website: www.rlewisandcoukLtd.com

Certificate No. 1006PIa to LPS 1271: Issue 2

Company assessed and approved for installation of passive fire protection products under the following scope.

Appendix 2 - Fire Doors & Doorsets

PART 2: SECTION 2

FIRE AND SECURITY DOOR AND SHUTTER INSTALLERS

Safe Partnership

3 East Street, Wareham, Dorset BH20 4NN, United Kingdom

Tel: +44 (0)1929 551100 • Fax: +44 (0)1929 553300

E-mail: safe@safepartnership.org • Website: www.safepartnership.co.uk

Certificate No. 835c to LPS 1271: Issue 2

Approved installer of Safe Partnership Ltd Safe Door timber security doors as approved under LPS 1175 (Ref Certificate 835a).

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 • Website: www.sunraydoors.co.uk

Certificate No. 234e to LPS 1271: Issue 1

Approved installer of certified Sunray, ExecDoor 1, ExecDoor 2, ExcluDoor 3, ExcluDoor 3 Mk2, ExcluDoor 3 Mk2 FR, ExcluDoor 3 Mk3 FR, ExcluDoor 4, ExcluDoor 4 Mk2 FR, ExcluDoor4 Mk3, ExcluDoor 5 and ExcluDoor 6

(Ref product certificates 234b, 234c and 234d)

TEK Interiors Limited

Unit 10A Beehive Business Centre, Beehive Lane, Great Baddow, Chelmsford, Essex CM2 9TE, United Kingdom

Tel: 01245 250657

E-mail: Neil@tekfiredoorservices.co.uk • Website: www.tekfiredoorservices.co.uk

Certificate No. 1300PIb to LPS 1271: Issue 2

Approved installer of:
- Fire Doors and Doorsets

This section lists companies approved to LPS 1197 *Requirements for LPCB Approval and Listing of companies inspecting, repairing and maintaining fire and security doors, doorsets, shutter and active smoke/fire barriers.*

The long term performance of products covered in this standard is dependent upon regular inspection, repair and maintenance in accordance with the manufacturer's recommendations. Companies approved to LPS 1197 have demonstrated their ability to carry out this work effectively. The listings include the geographical areas and products covered by the companies and the level of service provided.

The latest version is LPS 1197: Issue 4.2.

123 Fire (a division of MB Plant Limited)

Swift House Business Centre, 16 High Street S43 3UX, United Kingdom

Tel: 0114 360 3213

E-mail: andrewbell@123fire.co.uk • Website: www.123fire.co.uk

Certificate No. 1133Pla to LPS 1197 : Issue 4

Company assessed and approved for:

- Inspection
- Maintenance services and 'one off' general repair

Of:

Fire resistant doors and doorsets

Product groups:

Hinged and pivoted timber doorsets

Assa Abloy Entrance Systems Limited

7 Churchill Way, 35A Business Park, Chapeltown, Sheffield, South Yorkshire S35 2PY, United Kingdom

Tel: +44 (0)870 609 4474 • Fax: +44 (0)114 257 4397

E-mail: service.uk.aes@assaabloy.com • Website: www.assaabloyentrance.co.uk

Certificate No. 001c to LPS 1197: Issue 4

Company assessed and approved for:

- Inspection
- Maintenance services and 'one off' general repair
- Inspection, maintenance services and repair, term contracts

Of:

Fire resistant shutters

Product groups:

Steel rolling shutters

Avert Fire (UK) Ltd

P O Box 248, Dawes lane, Scunthorpe DN16 1DW, United Kingdom

Tel: +44 (0)1724 853712 • Fax: +44 (0)1724 278848

E-mail: admin@avertfire.co.uk; • Website: www.avertfire.co.uk

Certificate No. 850PIb to LPS 1197 : Issue 4

Approved installer of certified fire doors and doorsets.

Company assessed and approved for:

PART 2: SECTION 3

INSPECTION, REPAIR AND MAINTENANCE OF FIRE AND SECURITY DOORS AND SHUTTERS

- Inspection
- Maintenance services and 'one off' general repair

Of:
Fire resistant doors and doorsets

Product groups:
Hinged and pivoted steel doorsets
Hinged and pivoted timber doorsets

Checkmate Fire Solutions Ltd

Unit 1, Woodgates Farm, Woodgates End, Dunmow, Essex CM6 2BN, United Kingdom
Tel: +44 (0) 1279 850021
E-mail: info@checkmatefire.com • Website: www.checkmatefire.com

Certificate No. 860Pla to LPS 1197 : Issue 4

- Company assessed and approved for:
- Inspection
 - Maintenance services and 'one off' general repair

Of:
Fire resistant doors and doorsets

Checkmate Fire Solutions Ltd

Unit B9, Lowfields Close, Lowfields Business Park, Elland, West Yorkshire HX5 9DX, United Kingdom
Tel: +44 (0) 1279 850021 • Fax: +44 (0) 1279 850061
E-mail: info@checkmatefire.com • Website: www.checkmatefire.com
E-mail: info@checkmatefire.co

Certificate No. 860Pla to LPS 1197 : Issue 4

- Company assessed and approved for:
- Inspection
 - Maintenance services and 'one off' general repair

Of:
Fire resistant doors and doorsets

Product groups:
Hinged and pivoted timber doorsets

DoorCheck Limited

192b Balfour Road, Ilford, Essex IG1 4JA, United Kingdom
Tel: 0208 553 3307
E-mail: info@door-check.co.uk • Website: www.door-check.co.uk

Certificate No. 1119PI to LPS 1197: Issue 4

General servicing and maintenance of fire doors and fire doorsets

- Company assessed and approved for:
- Inspection
 - Maintenance services and 'one off' general repair

Of:

Fire resistant doors and doorsets

Product groups:

Hinged and pivoted timber doorsets

Fire Risk Management Associates

Townsend Farm, 11 High Street, Upwood, Cambridgeshire PE26 2QE, United Kingdom

Tel: +44 (0) 1487 479363

E-mail: joe.ruane@frmald.com • Website: www.frmald.co.uk

Certificate No. 1412 Pib to LPS 1197: Issue 4

Company assessed and approved for the inspection of the products listed below:

- Fire Resistant Doors and Doorsets
- Hinged and Pivoted Timber Doorsets

Fire Safety Services (UK) Limited

Progress House, 15 Railton Road, Woburn Road Industrial Estate, Kempston, Bedford MK42 7PW, United Kingdom

Tel: 01234 854100 • Fax: 01234 840777

E-mail: dstewart@firesafetyservices.co.uk • Website: www.firesafetyservices.co.uk

Certificate No. 1145Pib to LPS 1197:4

Company assessed and approved for:

- Inspection
- Maintenance services and 'one off' general repair
- Inspection, maintenance services and repair, term contracts

Of:

Fire resistant doors and doorsets
Smoke fire barriers
Fire resistant shutters

Product groups:

Hinged and pivoted timber doorsets

Fire Safety Services (UK) Limited

Progress House, 15 Railton Road, Woburn Road Industrial Estate, Kempston, Bedford MK42 7PW, United Kingdom

Tel: 01234 854100 • Fax: 01234 840777

E-mail: dstewart@firesafetyservices.co.uk • Website: www.firesafetyservices.co.uk

Certificate No. 1145Pib to LPS 1197: Issue 4

General servicing/maintenance	Yes
Maintenance contracts	Yes
24 hour answering service	No
24 hour emergency service	No

Service and maintenance of fire doors

PART 2: SECTION 3

INSPECTION, REPAIR AND MAINTENANCE OF FIRE AND SECURITY DOORS AND SHUTTERS

Grange Door Systems

Unit 18/8 Dryden Road, Bilston Glen Industrial Estate, Edinburgh EH20 9LZ, United Kingdom

Tel: +44 (0)131 440 7000

E-mail: sales@grangedoor.com • Website: www.grangedoor.com

Certificate No. 573a to LPS 1197: Issue 4

Company assessed and approved for:

- Inspection
- Inspection, maintenance services and repair, term contracts

Of:

Fire resistant shutters

Product groups:

Steel rolling shutters

Industrial Door Engineering Limited

Winnington Avenue, Winnington, Northwich, Cheshire CW8 4EQ, United Kingdom

Tel: +44 (0)1606 871832 • Fax: +44 (0)1606 871482

E-mail: sales@industrial-door-eng.co.uk • Website: www.industrial-door-eng.co.uk

Certificate No. 165b to LPS 1197: Issue 3

General servicing/maintenance	Yes
Maintenance contracts	Yes
24 hour answering service	Yes
24 hour emergency service	Yes

On site within 4 hours of call in Cheshire, Clwyd, Derbyshire, Greater Manchester, Gwynedd, Lancashire, Merseyside and Yorkshire.

Kone PLC

Global House, Station Place, Chertsey, Surrey KT16 9HW, United Kingdom

Tel: +44 (0)8451 999 999 • Fax: +44 (0)870 7701144

E-mail: sales.marketinguk@kone.com • Website: www.kone.co.uk

, United Kingdom

Certificate No. 122n to LPS 1197: Issue 4

General servicing/maintenance	Yes
Maintenance contracts	Yes
24 hour answering service	Yes
24 hour emergency service	Yes

Product Groups: Fire

- Hinged and pivoted steel doorsets
- Steel rolling shutters

Product Groups: Security

- Shutters

Onsite within 4 hours of call, Full UK Coverage

Konecranes UK Ltd

Albion Road, West Bromwich, West Midlands B708AX, United Kingdom

Tel: 0844 5611 007 • Fax: 01332 5697781

E-mail: glen.gurney@konecranes.com • Website: www.konecranes.com

Certificate No. 908a to LPS 1197: Issue 4

General servicing/maintenance	Yes
Maintenance contracts	Yes
24 hour answering service	Yes
24 hour emergency service	Yes

On site within 4 hours of call in West Midlands, Staffordshire, Hereford, Worcester, Warwickshire, Milton Keynes, Northamptonshire, Peterborough, Lincolnshire, Nottinghamshire, Derbyshire, South Yorkshire and Leicestershire.

LBS Security Services Limited T/A LBS Group

Unit 6, Sterling Trading Estate, Rainham Road South, Dagenham, Essex RM10 8TX, United Kingdom

Tel: +44 (0)208 526 8572 • Fax: +44 (0)208 984 0378

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

Certificate No. 247a to LPS 1197: Issue 4

Company assessed and approved for:

- Inspection
- Maintenance services and 'one off' general repair
- Inspection, maintenance services and repair, term contracts
- Emergency repair and response services

Of:

Fire resistant shutters

Product groups:

Steel rolling shutters

Mercian Shutters Limited

Pearsall Drive, Brades Road Industrial Estate, Oldbury, West Midlands B69 2RA, United Kingdom

Tel: +44 (0)121 544 6124 • Fax: +44 (0)121 552 6793

E-mail: info@merciandoors.co.uk • Website: www.merciandoors.co.uk

Certificate No. 355a to LPS 1197: Issue 4

General servicing/maintenance	Yes
Maintenance contracts	Yes
24 hour answering service	Yes
24 hour emergency service	Yes

Company assessed and approved for maintenance services and general repair, inspection maintenance services and repair, term contracts and emergency repair and response services of the products listed below:

Fire Products:

-Steel rolling shutters

Security Products:

-Shutters

PART 2: SECTION 3

INSPECTION, REPAIR AND MAINTENANCE OF FIRE AND SECURITY DOORS AND SHUTTERS

On site within 4 hours of call in Hereford and Worcestershire, Shropshire, Staffordshire, Warwickshire and West Midlands.

Nene Valley Fire and Acoustic Limited

2a New Street, Irthlingborough, Northamptonshire NN9 5UG, United Kingdom

Tel: +44 (0) 1933 650650 • Fax: +44 (0) 1933 650001

E-mail: enquiries@nenevalleyfire.com • Website: www.nenevalleyfireandacoustic.com

Certificate No. 1021Pla to LPS 1197: Issue 4

Company assessed and approved for:

- Inspection
- Maintenance services and 'one off' general repair

Of:

Fire resistant doors and doorsets

Product groups:

Hinged and pivoted timber doorsets

Prestige Fire Door Services Limited

28 Waterfront Business Park, Fleet, Hampshire GU51 3QT, United Kingdom

Tel: +44 (0)1252 645534 • Fax: +44 (0)1252 678742

E-mail: admin@prestigefiredoorservices.com • Website: www.prestigefiredoorservices.com

Certificate No. 1066PIb to LPS 1197: Issue 4

Company assessed and approved for inspection, maintenance services and repair, terms contracts of the products listed below:

- Fire Resistant Doors and Doorsets
 - Hinged and Pivoted Steel Doorsets
 - Hinged and Pivoted Timber Doorsets
-

Rite Industrial Doors Ltd

9H Longbrooks, Knowel Road, Brenchley, Kent TN12 7DJ, United Kingdom

Tel: 01892 7251000 • Fax: 01892 725105

E-mail: ray@ritedoors.co.uk • Website: www.ritedoors.co.uk

Certificate No. 1306PI to LPS 1197 : Issue 4

Company assessed and approved for:

- Inspection, maintenance services and repair, term contracts

Of:

Fire resistant shutters

Product groups:

Steel rolling shutters

Stanair Industrial Door Services Limited

2 Henson Way, Telford Way Industrial Estate, Kettering, Northamptonshire NN16 8PX, United Kingdom
Tel: +44 (0)1536 482187 • Fax: +44 (0)1536 411799
E-mail: info@stanair.co.uk • Website: www.stanair.co.uk

Subsidiary Office(s)

Unit 11, Blundells Road, Bradville, Milton Keynes MK13 7HA

Certificate No. 141a to LPS 1197 Issue 4

Company assessed and approved for:

- Maintenance services and 'one off' general repair
- Inspection, maintenance services and repair, term contracts
- Emergency repair and response services

Of:

Fire resistant shutters

Product groups:

Steel rolling shutters

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 • Website: www.sunraydoors.co.uk

Certificate No. 234j to LPS 1197: Issue 4

Product Groups: Fire

-Hinged and Pivoted Steel Doorsets

Product Groups: Security

-Shutters

TEK Interiors Limited

Unit 10A Beehive Business Centre, Beehive Lane, Great Baddow, Chelmsford, Essex CM2 9TE, United Kingdom
Tel: 01245 250657
E-mail: Neil@tekfiredoorservices.co.uk • Website: www.tekfiredoorservices.co.uk

Certificate No. 1300PIa to LPS 1197 : Issue 4

Company assessed and approved for:

- Inspection, maintenance services and repair, term contracts

Of:

Fire resistant doors and doorsets

Product groups:

Hinged and pivoted timber doorsets

PART 2: SECTION 3

INSPECTION, REPAIR AND MAINTENANCE OF FIRE AND SECURITY DOORS AND SHUTTERS

Tyco Fire and Integrated Solutions (the trading company for Tyco Fire and Integrated Solutions (UK) Limited)

Tyco Park, Grimshaw Lane, Newton Heath, Manchester M40 2WL, United Kingdom

Tel: +44 (0)161 205 2321 • Fax: +44 (0)161 455 4459

Website: www.tycofis.com

Certificate No. 014c to LPS 1197: Issue 4

Product Groups: Fire

-Steel Rolling Shutters

-Sliding Steel Doorsets

General servicing/maintenance	Yes
Maintenance contracts	Yes
24 hour answering service	Yes
24 hour emergency service	Yes

On site within 4 hours of call in mainland UK.