

## LOSS PREVENTION STANDARD

### LPS 1271: Issue 2.3

**Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers**

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<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 1 of 14

## CONTENTS

PARTICIPATING ORGANISATIONS.....	2
1 SCOPE.....	5
2 DEFINITIONS.....	5
3 REQUIREMENTS .....	5
3.1 Records and supporting documentation.....	5
3.2 Management of contracts.....	6
3.3 Tools, measuring and test equipment .....	6
3.4 Selection of products.....	7
3.5 Storage and handling of products .....	7
3.6 Training .....	7
3.7 Use of sub-contract staff .....	7
3.8 Inspection of finished works.....	8
3.9 Corrective and preventative action procedures.....	8
3.10 Identification of products installed under this standard.....	8
4 ASSESSMENT PROCESS .....	8
4.1 Initial assessment.....	8
4.1.1 Notification of sites .....	8
4.1.2 Initial site inspections.....	8
4.1.3 Initial office audit.....	9
4.2 Ongoing assessment .....	9
4.2.1 Notification of sites .....	9
4.2.2 Site inspection – audits .....	9
4.2.3 Office audits.....	9
5 PUBLICATIONS REFERRED TO: .....	9
APPENDICES.....	10
Appendix 1 – Security doors and shutters .....	10
Appendix 2 - Fire doors and doorsets.....	11
Appendix 3 – Fire rated shutters.....	12
Appendix 4 – Smoke barriers.....	13
AMENDMENTS ISSUED SINCE PUBLICATION .....	14

<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 2 of 14

## **PARTICIPATING ORGANISATIONS**

This standard was approved by the BRE Global Governing Body. The following organisations participated in the preparation of this standard:-

Association for Specialist Fire Protection (ASFP)  
 Association of British Insurers (ABI)  
 Association of Insurance Surveyors  
 BAA plc  
 British Automatic Fire Sprinkler Association (BAFSA)  
 British Property Federation (BPF)  
 Construction Industry Council (CIC)  
 Construction Products Association  
 Co-op Banking  
 Door and Hardware Federation (DHF)  
 Fire Industry Association (FIA)  
 Home Builders Federation (HBF)  
 Homes & Communities Agency  
 Lend Lease  
 Chief Fire Officers' Association (CFOA)  
 London Underground Ltd  
 NHBC  
 RIBA  
 RICS  
 Risktech Ltd  
 Sustainability + Architecture  
 Sustainable by Design

<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 3 of 14

## **REVISION OF LOSS PREVENTION STANDARDS**

Loss Prevention Standards (LPSs) will be revised by issue of revised editions or amendments. Details will be posted on our website at [www.redbooklive.com](http://www.redbooklive.com)

Technical or other changes which affect the requirements for the approval or certification of the product or service will result in a new issue. Minor or administrative changes (e.g. corrections of spelling and typographical errors, changes to address and copyright details, the addition of notes for clarification etc) may be made as amendments.

The issue number will be given in decimal format with the integer part giving the issue number and the fractional part giving the number of amendments (e.g. Issue 3.2 indicates that the document is at Issue 3 with 2 amendments).

Users of LPS's should ensure that they possess the latest issue and all amendments.

<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 4 of 14

## FOREWORD

This Standard identifies the evaluation and / or testing practices undertaken by LPCB for the purposes of approval and listing of products and services. LPCB listing and approval of products and services is based on evidence acceptable to LPCB:-

- that the product or service meets the standard;
- that the manufacturer or service provider has staff, processes and systems in place to ensure that the product or service delivered meets the standard

and on:-

- periodic audits of the manufacturer or service provider including testing as appropriate;
- compliance with the contract for LPCB listing and approval including agreement to rectify faults as appropriate;

The responsibility for ensuring compliance with the technical and managerial process and requirements for the product or service lies with the manufacturer, service provider or supplier.

## NOTES

NB:- Compliance with this LPS does not of itself confer immunity from legal obligations. Users of LPS's should ensure that they possess the latest issue and all amendments.

LPCB welcomes comments of a technical or editorial nature and these should be addressed to "the Technical Director" at [enquiries@breglobal.co.uk](mailto:enquiries@breglobal.co.uk)

The BRE Trust, a registered charity, owns BRE and BRE Global. BRE Global and LPCB (part of BRE Global) test, assess, certificate and list products and services within the fire and security sectors. For further information on our services please contact BRE Global, Watford, Herts. WD25 9XX or e-mail to [enquiries@breglobal.co.uk](mailto:enquiries@breglobal.co.uk)

Listed products and services appear in the LPCB "List of Approved Products and Services" which may be viewed on our website: [www.redbooklive.com](http://www.redbooklive.com)

<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 5 of 14

## **1 SCOPE**

This standard defines the requirements for LPCB approval of companies installing fire and security doors, doorsets, shutters, and active smoke/fire barriers.

## **2 DEFINITIONS**

### **2.1 Installing Company**

A company that employs personnel to install fire and security doorsets, shutters, and active smoke/fire barriers.

### **2.2 Approved Installer**

An Installing Company that meets the requirements of this standard.

### **2.3 Security Door or Shutter**

Any door, doorset or shutter with a defined security resistance.

### **2.4 Fire Resisting Door or Shutter**

Any door, doorset or shutter with a defined period of fire resistance.

### **2.5 Smoke/Fire Barrier**

A device to channel, contain and/or prevent the migration of smoke (fire effluent).

## **3 REQUIREMENTS**

An LPCB approved installer shall meet all the requirements in this section and any additional requirements listed in the relevant product-specific Appendix to this standard.

### **3.1 Records and supporting documentation**

The installing company shall maintain records of the activities within the scope of this standard. The purpose of these records is to demonstrate that:

- a) The requirements of this standard were met and;
- b) The products and assemblies were installed such that the design requirements to

<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 6 of 14

deliver the specified performance were met.

Specifically, the installing company shall maintain records that include;

### **3.1.1 General records for each contract undertaken including:**

- (i) Client.
- (ii) Site address.
- (iii) Start and finish date.
- (iv) Project number.
- (v) Names of the installers undertaking the work.
- (vi) Project supervisor's name (where applicable).
- (vii) Contract review.
- (viii) Specific performance requirements requested for the fire or security systems (e.g. FD60S, SR4 etc).
- (ix) Details of in-process inspections/checks carried out prior to, during and after the product's installation.
- (x) Details of problems and any additional work carried out.
- (xi) Certificate of Conformity, as defined in Section 3.10.
- (xii) Method used to achieve compliance with Clause 3.4.

### **3.1.2 Installed product records for each contract undertaken**

- (i) Manufacturer's name.
- (ii) Trade name of the product.
- (iii) Product serial numbers, manufacturer's batch numbers or other appropriate method for product traceability.
- (iv) Product/system manufacturer's literature.
- (v) Supporting certification, approval, test and/or assessment reports for the installed systems.
- (vi) Details of third party certification or approval for the installed product.
- (vii) Any limitations in respect of the compatibility of the installed product with other elements of construction.
- (viii) Manufacturer's instructions for the installation.

## **3.2 Management of contracts**

The Installing Company shall have written procedures for the management of contracts relating to products installed under this standard.

## **3.3 Tools, measuring and test equipment**

The Installing Company shall ensure that all tools and/or instruments used in the installation are maintained and/or calibrated.

<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 7 of 14

### **3.4 Selection of products**

The Installing Company shall maintain supporting evidence to show that the products and assemblies used in the installation meet the requirements of this standard. The requirement for the selection of products and details of appropriate supporting evidence is given in the appropriate Appendices to this standard.

### **3.5 Storage and handling of products**

The Installing Company shall ensure that products and assemblies are stored and handled in accordance with manufacturer's instructions.

### **3.6 Training**

All personnel employed in the installation of the products and assemblies shall have successfully completed training for the function they undertake.

Suitable training includes third party accredited training courses such as NVQs or LPCB training. Manufacturers of the products or assemblies also often provide training and evidence of attendance and satisfactory performance on their courses will be considered by LPCB. It is also considered that on the job training and experience are important elements of training and competency. All training, whether formal or 'on the job' should be documented to demonstrate that staff are adequately trained.

Records of the training received by all staff, including those employed on a sub contract basis, shall be maintained by the company.

Training and competence records shall be maintained and regularly reviewed by the company to ensure that they are up to date and relevant to the work undertaken.

### **3.7 Use of sub-contract staff**

If the Installing Company uses sub-contract staff for the installation of products and assemblies, the installing company shall:

- (i) Have documented criteria for the selection of sub-contract staff.
- (ii) Have a defined procedure for the management of sub-contract work.
- (iii) Maintain records of all sub-contract work as defined in clauses 3.1.1 & 3.1.2.
- (iv) Ensure that the quality of their equipment and workmanship is as required by this standard.

All work undertaken by sub-contractors shall be reviewed and verified by qualified staff with a contract of employment with the installing company to ensure that the requirements of this standard are met.

<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 8 of 14

The Installation Company shall be responsible for all work that it sub-contracts.

### **3.8 Inspection of finished works**

The Installing Company shall undertake an inspection of the completed installation to ensure that the design requirements to deliver the specified performance were met.

Records of inspection shall be held for auditing purposes.

### **3.9 Corrective and preventative action procedures**

The Installing Company shall have corrective and/or preventative action procedures that apply to the installation process.

### **3.10 Identification of products installed under this standard**

Each product shall be allocated an LPS 1271 label with a unique serial number that shall be notified to LPCB along with site and specific location information.

The LPS 1271 label shall be affixed in a location where it can be read by the property owner, building inspector, fire officer, insurance surveyor, or any other party that may require the information.

The Installing Company shall also issue a Certificate of Conformity, supplied by the LPCB, for each contract covered by the scheme. The Certificate of Conformity shall detail the identification, location and LPS 1271 serial number of the installed products.

## **4 ASSESSMENT PROCESS**

### **4.1 Initial Assessment**

The LPCB initial assessment will consist of an office audit and site inspections and will need to cover all relevant product areas applied for.

#### **4.1.1 Notification of sites**

The applicant to the scheme shall provide details of sites that can be visited by LPCB inspectors that can be used to assess compliance with this standard.

#### **4.1.2 Initial site inspections**

The purpose of the site inspections is to assess whether the applicable clauses of this standard were met.

<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 9 of 14

#### **4.1.3 Initial office audit**

The initial office audit shall determine whether there are sufficient records to demonstrate that the company is able to manage any given contract through the 'contract process' from receipt of an enquiry to completion of the contract and that the requirements of this scheme are met.

#### **4.2 Ongoing assessment**

##### **4.2.1 Notification of sites**

The company shall, at the request of the LPCB, supply details of contracts completed and new contracts awarded since the initial assessment or last surveillance visit.

##### **4.2.2 Site inspection – audits**

LPCB will undertake a minimum of two days of site inspection visits each year. The number of days required will be increased if;

- i. LPCB is visiting less than 15% of the contracts completed by the company or
- ii. If a significant number of non compliances are identified during office or site audits.

##### **4.2.3 Office audits**

The number of office audits per annum will be defined by the LPCB auditor after the initial audit. A minimum of 1 office audit per annum shall be conducted.

## **5 PUBLICATIONS REFERRED 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 1056: Test and Evaluation Requirements for the LPCB Approval and Listing of Fire Doorsets, Lift Landing Doors and Shutters.

For updated references please refer to the latest published issue.

<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 10 of 14

## APPENDICES

### Appendix 1 – Security doors and shutters

Product	Security doors and shutters
Specific Training requirements	Manufacturer's training covering specific proprietary products
Product Selection Criteria and suitable evidence	<p>Products approved by LPCB to LPS 1175 Requirements and testing procedures for the LPCB listing and approval of intruder resistant building components, strongpoints, security enclosures and free – standing barriers and/or;</p> <p>UKAS accredited third party approved products with a scope applicable to the installation under inspection</p>

<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 11 of 14

## Appendix 2 - Fire doors and doorsets

Product	Fire doors and doorsets
Specific Training requirements	Manufacturer's training covering specific proprietary products
Product Selection Criteria and suitable evidence	<p>Products approved by LPCB to LPS 1056 Test and Evaluation Requirements for the LPCB Approval and Listing of Fire Doorsets, Lift Landing Doors and Shutters and/or;</p> <p>UKAS accredited third party approved products with a scope applicable to the installation under inspection and/or:</p> <p>Products approved under the Construction Products Regulation * (CE Marking) to a standard relevant to the inspected installation and/or;</p> <p>Test and/or assessment evidence from a UKAS (or equivalent) accredited laboratory based on relevant British or European Standards and/or;</p> <p>Information and guidance published by the manufacturers' or recognised representative trade association(s) specific to the installation of the product under inspection</p>

\* It should be noted that other European Directives and Regulations may apply to products within the scope of this standard, for example the Machinery Directive. The CE marking of a product must cover the requirements of all relevant directives.

<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 12 of 14

### Appendix 3 – Fire rated shutters

Product	Fire rated shutters
Specific Training requirements	Manufacturer's training covering specific proprietary products
Product Selection Criteria and suitable evidence	<p>Products approved by LPCB to LPS 1056. Test and Evaluation Requirements for the LPCB Approval and Listing of Fire Doorsets, Lift Landing Doors and Shutters and/or;</p> <p>UKAS accredited third party approved products with a scope applicable to the installation under inspection and/or;</p> <p>Products approved under the Construction Products Regulation* (CE Marking) to a standard relevant to the inspected installation and/or;</p> <p>Test and/or assessment evidence from a UKAS (or equivalent) accredited laboratory based on relevant British or European Standards and/or information and guidance published by the manufacturers' or recognised representative trade association(s) specific to the installation of the product under inspection</p>

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<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 13 of 14

## Appendix 4 – Smoke barriers

Product	Smoke barriers
Specific Training requirements	Manufacturer's training covering specific proprietary products
Product Selection Criteria and suitable evidence	<p>Products approved by LPCB and/or;</p> <p>UKAS accredited third party approved products with a scope applicable to the installation under inspection and/or;</p> <p>Products approved under the Construction Products Regulation* (CE Marking) to a standard relevant to the inspected installation and/or;</p> <p>Test and/or assessment evidence from a UKAS (or equivalent) accredited laboratory based on relevant British or European Standards and/or;</p> <p>Information and guidance published by the manufacturers' or recognised representative trade association(s) specific to the installation of the product under inspection</p>

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<b>Issue: 2.3</b>	<b>LOSS PREVENTION STANDARD</b>	<b>LPS 1271</b>
Date: Jan 2018	Requirements for the LPCB Approval and Listing of Companies installing fire and security doors, doorsets, shutters and active smoke/fire barriers	Page 14 of 14

## AMENDMENTS ISSUED SINCE PUBLICATION

<b>DOCUMENT NO.</b>	<b>AMENDMENT DETAILS</b>	<b>SIGNATURE</b>	<b>DATE</b>
LPS 1271 Issue 2.0	Full revision and update of standard	SJH	June 2012
LPS 1271 Issue 2.1	<ol style="list-style-type: none"> <li>1. New front cover</li> <li>2. Title added to header</li> <li>3. Update web-address and contact details</li> <li>4. Amendment of Notes on Page 4</li> <li>5. Re-formatting of headings and repagination</li> <li>6. Moved list of amendments since publication table to end of document</li> </ol>	SP	Feb 2014
LPS 1271 Issue 2.2	<ol style="list-style-type: none"> <li>1. Update to references from Construction Products Directive (CPD) to Construction Products Regulation (CPR)</li> <li>2. Grammar and spelling corrections</li> </ol>	RT	Apr 2017
LPS 1271 Issue 2.3	<ol style="list-style-type: none"> <li>1. Amendment of referencing within text on Page 6</li> </ol>	RT	Dec 2017