Fire and Security Doors
What you should be looking for

How can you be sure that the product you are specifying or installing will perform as required in the event of a fire or an attempted break-in? There are many claims of ‘tested to’, ‘complies with’, ‘meets the requirements of’ etc. but where is the proof?

Security Doors
The first line of security protection on a building is the outer façade which includes doors, shutters and grilles. Appropriate physical security will protect a building from the unwanted attentions of both the opportunist and experienced criminal/burglar.

For many years LPCB has been working with insurers, government, police and end users to develop a system of classifying the resistance of façade elements to forced entry. The result of this work is a standard that in today’s environment is becoming a core element of specifications for new buildings and target hardening of existing sites.

LPS 1175 Specification for testing and classifying the burglary resistance of building components, strongpoints and security enclosures

LPS 1175 is based on manual attack testing and defines eight levels of resistance. These are measured in terms of attack tools and time available to the attacker, and enables specifiers to select products according to the risks that they and their property face.

When selecting a security door, shutter or grille it is important to note aspects such as the size, locking system, modes and directions of openings 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 are addressed in the LPS 1175 test programme and are described within the approval.

LPCB can also offer the following approvals:
- CE marking of building hardware to the Construction Products Directive (CPD).

LPCB approval includes regular factory inspections to ensure product consistency.

One way for specifiers to reduce their risks, to save time and to avoid costly mistakes is to select products and services which have been approved by an independent body such as LPCB, a third party certification body.
Fire Doors
The main function of fire doors in the passive fire protection of buildings is to maintain fire separation. They are installed in compartment walls, shafts or service ducts and provide protected routes for means of escape. In addition to careful design and product selection, it is recommended that fire doors and shutters are fabricated by third party approved manufacturers who have demonstrated their competence.

LPS 1056 Test and Evaluation Requirements for the LPCB Approval and Listing of Fire Doorsets, Lift Landing Doors and Shutters
LPS 1056 not only looks at the fire performance of the product and its door/shutter furniture, but also calls up cyclic testing and deals in detail with assessment procedures for outsized doors/shutters that cannot be fire tested. LPCB approval includes regular factory inspections to ensure product consistency.

Specifying LPCB approved solutions will help reduce the risk to you and your property

Installation, Service and Maintenance of Fire and Security Doors
The correct specification and installation of building products and systems that provide passive fire protection and security is important. It has long been recognised that the performance of a product can be severely undermined by poor installation or application leading to failure in the event of a fire or physical attack.

The effectiveness of a door is also dependent upon regular servicing and maintenance in accordance with the manufacturer’s recommendations.

LPCB offers the following schemes relating to installation and service and maintenance of fire and security doorsets and shutters and fire curtains:

LPS 1197 - Requirements for Companies undertaking the maintenance and repair of doors & shutters.
LPS 1271 Requirements for LPCB Approval and Listing of Companies installing fire and security doorsets and shutters, and smoke barriers

Certification and Red Book Listing
Approval (or certification as it is also known) is a process by an independent third party such as LPCB that helps to confirm that the product, system or service meets and continues to meet the appropriate standard. It differs from a test which is basically a snapshot showing that the product passed the test on a given day.

Approval, through regular Factory Production Control (FPC) audits, ensures that the product continues to comply with the standard and meet the specification.

Many specifiers and building owners are now insisting on the use of approved products and installers as this helps towards confirming that they are meeting their own regulatory obligations under the Regulatory Reform Order (Fire Safety) 2005.

Once LPCB is satisfied that a product, service or company meets the necessary standards, we issue a certificate and list them in the ‘Red Book’. The ‘Red Book’ is available in softback book, CD ROM and memory stick format and can also be accessed online free of charge at www.redbooklive.com.

Other Associated Services from BRE
We can help you assess, develop and improve the fire and security performance of doorsets and also provide testing, assessment and approval of doorsets to cover the following:

- Acoustic requirements
- Air permeability
- Air tightness
- CE marking
- Impact resistance
- Environmental profiling
- Operation and durability
- Strength
- Thermal performance
- Watertightness
- Weathertightness
- Wind resistance

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