

Fire doors and doorsets FD30, FD60

Shadbolt fire doors provide fire resistance up to 60 minutes. Available as door leaves only or as doorsets, and as matching non-fire doors.

- Doors and doorsets are purpose-made for each project, with extensive freedom to choose frame and edge details, glazing designs and ironmongery.
- Comprehensive tested size range.
- Consistent and durable solid core construction.
- High quality appearance with veneered or paint finishes.
- Independent UKAS-accredited third party fire test reports or assessments for every individual door type supplied.
- Doors with cold smoke resistance also available.
- High levels of mechanical performance, strength and dimensional stability.
- Acoustic doors with fire resistance can be supplied.
- Glazed apertures can be included without compromising performance.
- Options include postformed laminate facings for greater impact resistance, rounded vertical edges to improve reduce risk of accidental injury.

Appearance

Shadbolt doors and panels are available in a wide ranging choice of wood veneers which may be



lacquered in clear, stained or coloured finishes. Where a flat colour effect is required, special finishes include a variety of lacquers available in a huge colour collection, or plastic laminates from any of the major UK suppliers.

Doors are fully finished in controlled conditions in our works to ensure high quality. Co-ordinated appearance can be achieved for all doors in a building. Doors can also be matched to wall panels, skirtings, trims etc.

Wood veneers

Our extensive factory stock of veneers is available for inspection, and our renowned Green Box contains samples of some 50 veneer species. Advice and loose leaf samples are available to specifiers with whom we are actively working.

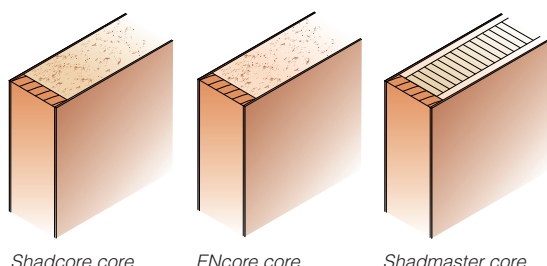
Veneers should be chosen and reserved at an early stage in a project, so that sufficient quantities can be set aside in our works.

Factory-applied finishes to veneered doors include semi-matt or high-gloss clear finishes, Paintmaster satin lacquer in any BS or RAL colour.

Other effects include decorative inlays, stile and rail effects and panelled effects.

Door construction

All doors have a solid core with edges lipped as required. Core material is chosen in consultation with Shadbolt according to size and performance specified.



Shadcore and ENcore have a high density solid chipboard core giving consistent performance and durability.

The Shadmaster core comprises narrow laminated spruce sections faced on both sides with chipboard, providing outstanding stability and accuracy.

Frames are machined hardwood, MDF or softwood. Designs of frames, linings and architraves can be varied to specifiers' requirements.

Seals and non-protruding ironmongery can be fitted, and glazed apertures included, all as required.

Subframes can be supplied to ensure co-ordination with other components and enable manufacture of doors before structural openings are complete.

Sizes

All fire doors and doorsets are purpose-made to sizes required. Extensive size ranges are validated by independent test or authoritative assessment as providing the period of fire resistance stated (see our website).

Doorset configurations

Doorsets can be supplied in many configurations, for example with door height or storey height frames, with or without overpanels and side panels, in equal or unequal pairs, and for single or double action.

Fire resistance

Shadbolt fire doors have been tested to BS 476: Part 22 or BS EN 1634-1: 2014 in a wide range of configurations and sizes, and can provide 30 minutes or 60 minutes fire resistance (FD30 or FD60).

Performance is assured by ongoing independent UKAS-accredited third party certification. Authoritative assessments can be provided for variants, as permitted by Approved Document B.

Doors can also be fitted with cold smoke seals.

Acoustic performance

Fire doors with suitable acoustic seals can achieve significant sound reduction. For more information see our website or brochure on Acoustic doors.

Durability

Fire doorsets achieved the Severe duty classification, the highest possible, in independent testing to the relevant BS EN standards. This enables the doors to be used in the most demanding areas such as school and hospital corridors, subjected to frequent use and high levels of abuse.

Security doors (PAS 24)

Shadbolt can supply internal security doors, tested to BS PAS 24 to meet the security requirements of Building Regulations Approved Document Q *Security – Dwellings* as entrance doors to residential apartments.



Specification

Specification clauses are given in NBS Plus at www.thenbs.com or on our website. Because our products are purpose-made specifiers should consult Shadbolt when preparing a specification.

We can provide computerised door schedules allowing quick and accurate revisions, enabling us to easily handle many variants in large and complex projects..

Installation and maintenance

Correct installation of a door is fundamental to its performance; it is strongly recommended that doors are fitted by an accredited installer.

Regular inspection and maintenance are also essential to ensure that doors retain their design performance throughout their life.