

## Fire doorsets FD90, FD120

Shadbolt FD90 and FD120 are high performance fire doorsets providing 90 minutes or 120 minutes fire resistance.

- Wide range of independently tested and certificated sizes and configurations.
- Additional cold smoke control where required.
- Supplied as assembled doorsets only, to ensure fire performance.
- High quality appearance with veneered or paint finishes.
- Can also be supplied as acoustic doorsets with the same appearance and fire performance.



## Appearance

Doors can be supplied fully finished, generally in the same range of finishes as standard Shadbolt doors, so that a co-ordinated appearance can be achieved for all doors in a building. Doors can also be matched to wall panels, skirtings, trims etc. Doors are fully finished in controlled conditions in our works to ensure high quality.

Non-veneer finishes include Signal semi-matt sprayed polyurethane lacquer finish, available in any BS, RAL or Dulux Colour Dimensions colour.

## 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 lacquer, Paintmaster enamel satin lacquer in any BS or RAL colour.

Stained, tinted or limed and finished with semi-matt lacquer.

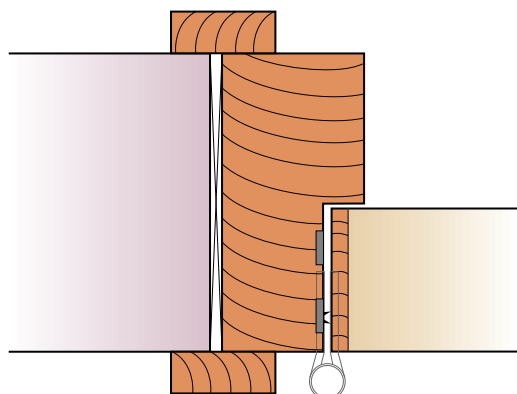
### Door construction

High performance timber-based core with non-combustible mineral fibre insulation sub-facings, enclosed in high quality hardwood stiles and rails, faced overall with MDF, plywood or chipboard.

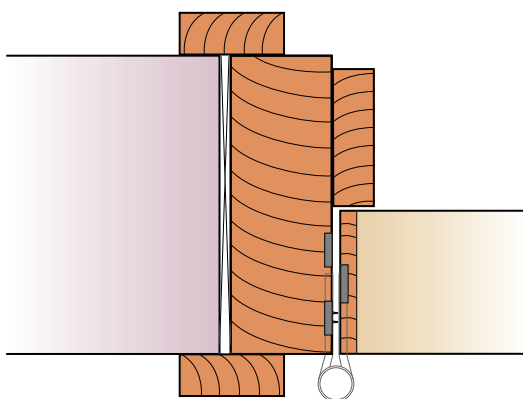
Door frames are hardwood (FD90) or composite (FD120) and can be made to any practical design or profile subject to performance requirements.

Examples of frame details are shown; for more examples see our website.

787.2 Shadbolt FD90 fire rated doorset: solid rebated frame



788.1 Shadbolt FD120 fire rated doorset: solid frame



**Ironmongery:** doorsets have been tested and approved for use with a range of ironmongery which ensures that fire performance is not compromised. Hinges are generally factory-fitted and ironmongery is protected with intumescent gaskets as required.

### Sizes

All Shadbolt FD90 and FD120 doorsets are purpose-made to sizes required. They are manufactured to suit specified opening sizes and cannot be adjusted on site.

Doorsets are available in an extensive range of size envelopes, validated by independent test or authoritative assessment as providing the period of fire resistance stated.

**Door leaf thickness:** 64mm.

For more information on sizes and configurations see our website.

### Fire resistance

Doorsets provide 90 minutes (FD90) or 120 minutes (FD120) fire resistance, as shown by independent UKAS-accredited testing to BS 476: Part 22 or BS EN 1634-1 in a range of sizes and configurations and with glazed apertures. Larger sizes and variations can be approved by means of authoritative assessments, as permitted by Approved Document B. Copies of test reports and assessments are available.

### Smoke control

Where required, smoke control doorsets (designated FD90S and FD120S) can be supplied fitted with seals to meet the requirement of Approved Document B to resist the passage of smoke at ambient temperature.

### Acoustic performance

FD90 and FD 120 doorsets with suitable acoustic seals can provide significant sound insulation. For more information see our website or brochure on Acoustic doors.

### Specification

Specification clauses are given in NBS Plus at [www.thenbs.com](http://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.