

High Performance Doorsets

FD30 Fire Doors

Sentry Doors are the UK leader in timber fire safety and security doorsets. We are manufacturers of bespoke, fully certified, timber fire and security doorsets across the social housing, care home, education, healthcare, commercial, and leisure markets. Our Knowles Product Range of internal fire doors are the ideal product for the most exacting project requirements and specification.

Certification

We are certified to manufacture Fire Doors and Doorsets that meet regulatory requirements to fire test evidence (BS476 Part 22). This verifies that product conformity is maintained.

As members of the **BM Trada Q-Mark** scheme, we ensure that every fire door we supply is tested by the world's leading provider of third-party certification.

Our fire doors are IFC certified, demonstrating that our fire rated doors are manufactured to a specific quality level and compliant with all latest fire legislation.

Each fire door is provided with a permanent label and/or plug to signify it's compliance.

Q Mark Plugs

All fire doors are checked for compliance and are supplied with a coloured plug to indicate its status and level of resistance.

Outer colour denotes period of fire integrity [Yellow = FD30]

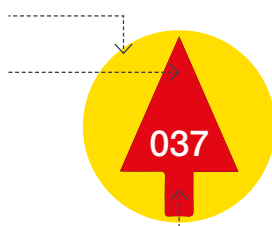
Inner tree identifies status of door or frame manufacturer [red = intumescent strips not supplied]

Number in the middle:

Unique certified company's number



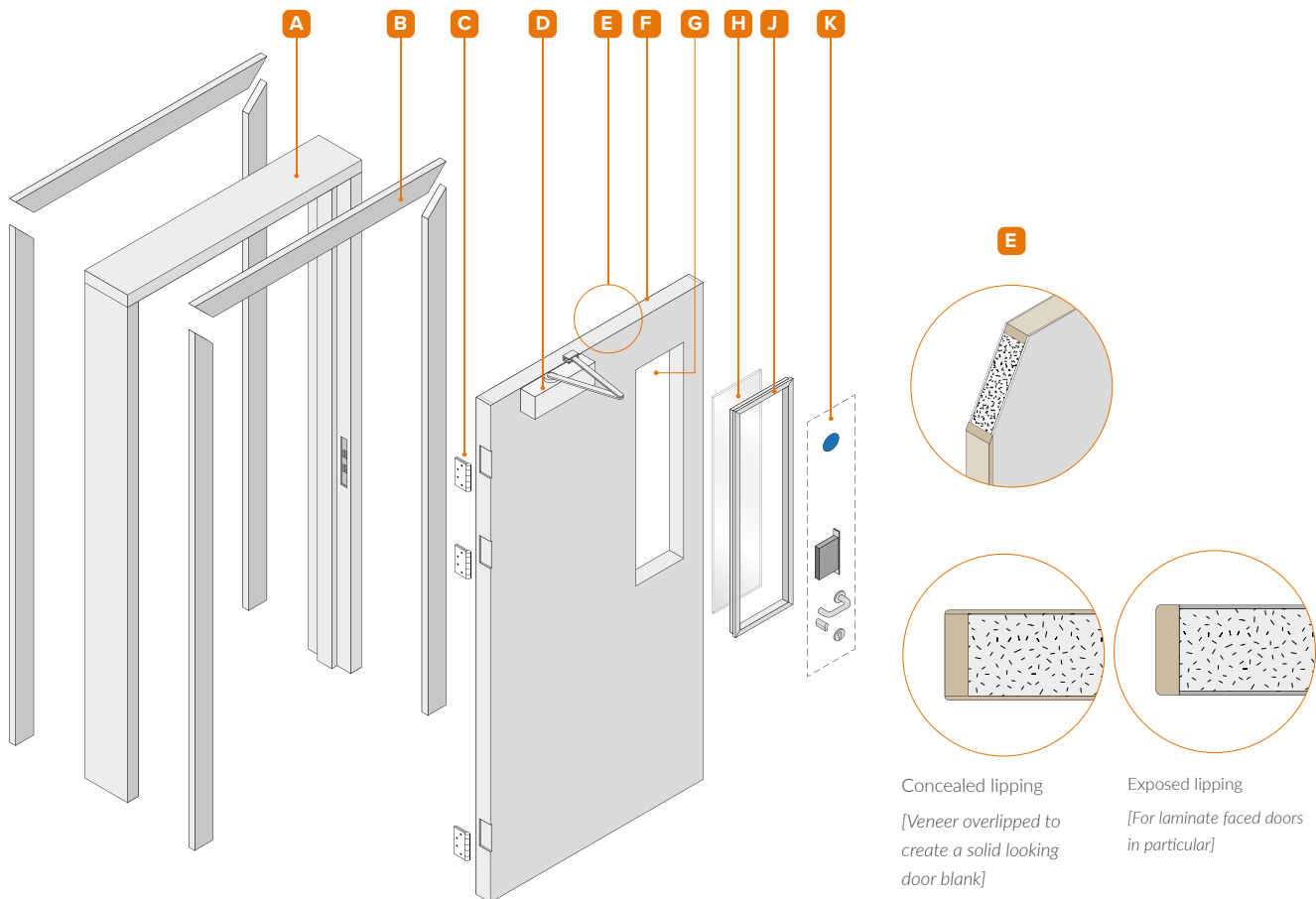
Image used for illustrative purposes only. Details may vary.



Features & Benefits

- Fire-rated FD30 with minimum fire resistance of 30 minutes
- BM Trada and IFC certified
- Doors are made using fire resistant timber controlled by ISO approved standards
- Supplied with compliant intumescent seals
- All doors are bespoke and made to measure
- British craftsmanship using responsibly sourced materials
- Full customisation of all our doors and finishes (subject to certification)
- In-house joinery with a fast turnaround
- In-house transport to ensure an OTIF of over 97%
- FSC certified material
- Pre-hung doorsets
- Frames can be constructed from MDF or softwood
- Anti-bacterial protective coating available
- Comprehensive choice of finishes including a wide selection of wood veneers
- Suitable for all sectors such as Education, Healthcare, Social Housing and Commercial applications

The fire certification labels and plugs must be kept in place and under no circumstances must they be painted over or tampered with.

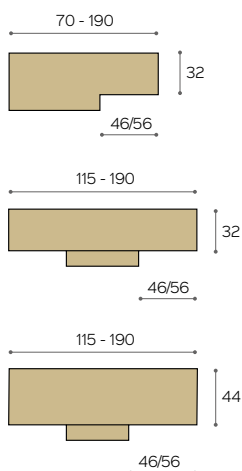


Construction

A Frames

Available in mdf or softwood (for on site painting) or hardwood with lacquered finish.

- Suitable for 44/54mm thick doors
- Double or single rebate
- For walls up to 190mm thick
- Larger sizes are available on request



B Architraves

Available in mdf or softwood (for on site painting) or a range of hardwoods with lacquered finish. A set of architraves is provided to match the frame size selected.

C Pre-hung doors

When supplied as a doorset, hinges and other critical hardware are pre prepared and doors are supplied pre-hung. Any protruding hardware items are not fitted.

D Door closer

A door closer is required for all fire door applications. When selected as a complete doorset a closer(s) is supplied which is suitable for the door size and weight in accordance with EN 1154.

E Door leaf

FD30 fire doors have a solid core of graduated density FSC Certified particleboard. Solid hardwood lippings are fitted to all 4 edges and can be exposed or concealed on the vertical edges to suit the facing material and look required (see above).

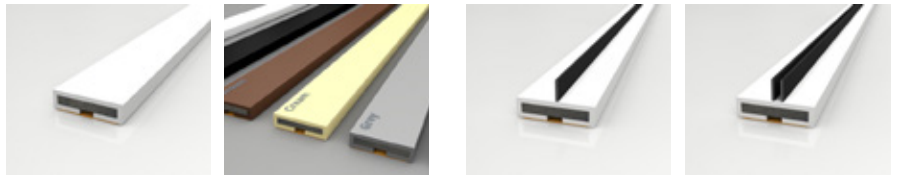
A range of facing materials is available including wood veneers and high pressure laminates (see 'Finishes'). Finished door thickness is 44mm.

F Seals

FD30 doorsets are supplied with intumescent seals incorporated into the perimeter of the door frame and the meeting edges of double doors.

Other optional seals are available for acoustic or cold smoke performance requirements and may be fitted to the door leaf or inside the frame.

For the supply of fire doors only, please contact our technical team.



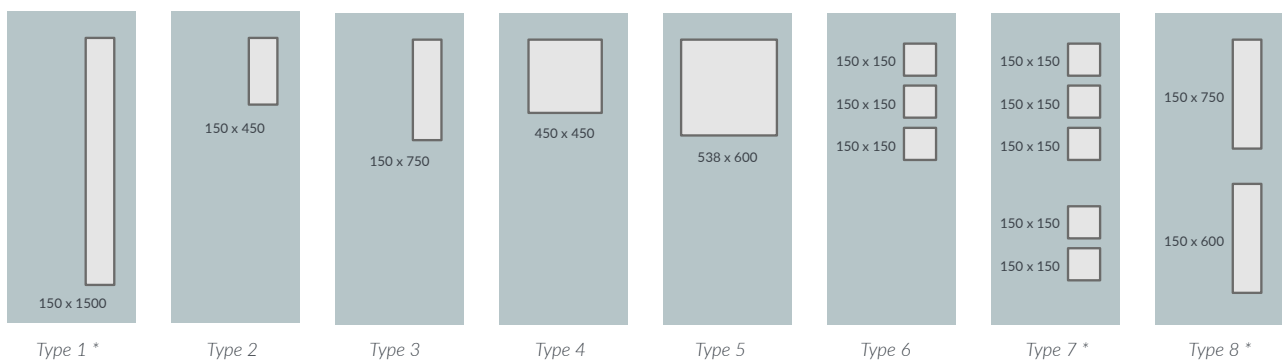
Performance in accordance with Certifire technical schedules outlined in CF822

G Vision panels

Openings can be provided in the following formats which have been certified for use on FD30 doorsets.

Those marked * are also compliant with Building Regulations Part M.

Dimensions shown below are in mm (w) x (h) and describe the aperture size in the door leaf.



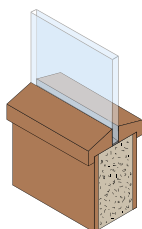
H Glazing options

Options include Pyrostem 2 wired glass or 7mm Pyrobelite clear glass.

Other glasses are available on request.

J Glazing beads

Bolection beads are used for all fire door applications as standard.



K Hardware

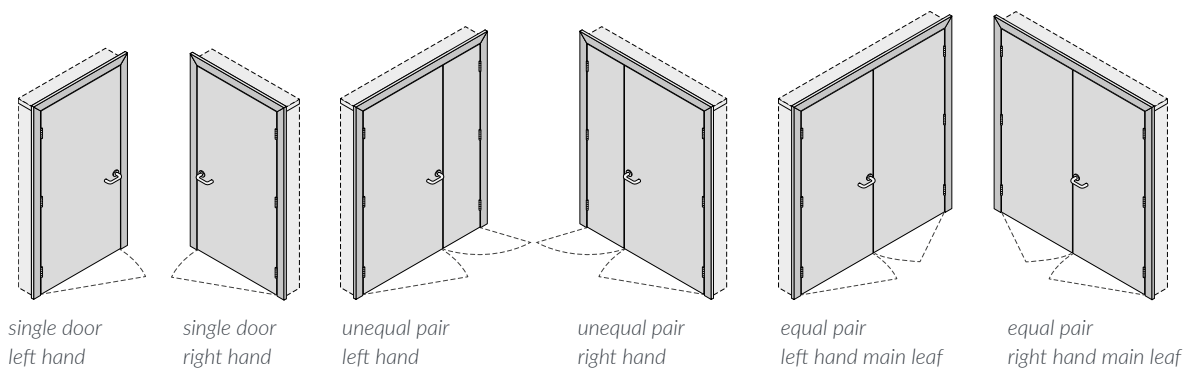
All doorsets are prepared and fitted with hinges and pads as required. Doors and frames are also prepared for mortice locks, flush bolts (pairs of doors) and operating hardware where required.

A package of hardware can be supplied to include:

- Mortice lockcases
- Lever furniture
- Pull handles
- Cylinders and escutcheons
- Fire door signage

Configurations

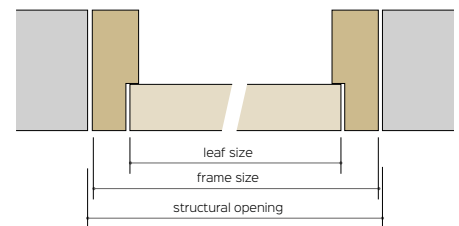
FD30 doorsets are available in the following configurations and can also be produced with overpanels.



Sizes

The following sizes are available, shown as leaf size, doorset package size and structural opening size.

Veneered pairs of doors are 'best matched'. The slave leaf of an unequal pair is resized and re-lipped on the hinge edge.



door type	single doors - dimensions in mm						
leaf size	1981 x 762	1981 x 838	2040 x 726	2040 x 826	2040 x 926	2700 x 838	2700 x 926
frame size	2021 x 832	2021 x 908	2080 x 796	2080 x 896	2080 x 996	2740 x 908	2740 x 996
structural opening	2031 x 842	2031 x 918	2090 x 806	2090 x 906	2090 x 1006	2750 x 918	2750 x 1006
weight (leaf only)	39.2kg	43.1kg	38.5kg	43.8kg	49.1kg	58.8kg	65kg

door type	double doors - dimensions in mm						
leaf size	1981 x 762/762	1981 x 838/838	2040 x 726/726	2040 x 826/826	2040 x 926/926	2700 x 838/838	2700 x 926/926
frame size	2021 x 1597	2021 x 1749	2080 x 1525	2080 x 1725	2080 x 1931	2740 x 1749	2740 x 1931
structural opening	2031 x 1607	2031 x 1759	2090 x 1535	2090 x 1735	2090 x 1941	2750 x 1759	2750 x 1941
weight (leaf only)	78.4kg	86.2kg	77kg	87.6kg	98.2kg	117.6kg	130kg

The information above is based on 32mm frame and allowing 10mm for structural opening.



Acoustic Performance

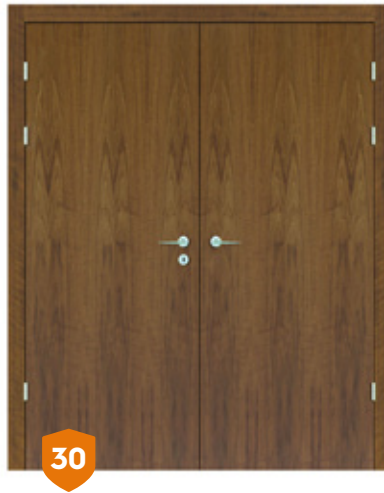
Our FD30 Fire Doors also offer acoustic performance with a wide range of core variations.

- Up to 45dB acoustic rating with the correct sealing specification and doorset configurations.
- Door performance is measured in accordance with BS EN ISO 10140 and rated according to BS EN ISO 717-1 as required by Building Regulations Approved Document E.

Finishes

We are able to provide doorsets with a wide range of finish options including:

- A range of FSC certified real wood veneers
- A range of high pressure laminates with a wood effect, stone effect, metal effect, patterned or plain colours
- A primed finish suitable for on-site painting
- Veneered doors can be supplied with 2 base coats of clear UV lacquer and 1 top coat of clear antibacterial UV lacquer
- Laminate faced doors have exposed hardwood lippings and glazing beads. In addition we can supply PVC protective edges and PVC glazing beads



Our standard veneer options. These are for identification purposes only. Please ask for samples before ordering.

Timber and timber veneers are natural materials which will vary in colour and grain.

Storage & Handling

To protect a fire door's certification, it is vital that the door is handled and stored appropriately. Doors must be stored flat and in dry conditions. The protective wrapping must be left in place for as long as possible.

The fire certification labels and plugs must be kept in place and under no circumstances must they be painted over or tampered with.

Installation

The doors have been tested to BS 476 pt.22:1987 and the BM Trada Certification scheme for Q-Mark Fire Doors.

They are capable of achieving 30 minute fire resistance when fitted in accordance with the installation instructions provided with the doorset.

All doors must be fitted with intumescent strips to the top and sides of the door leaf or frame.

Maintenance

We recommend wiping down all surfaces with a clean damp cloth at least 4 times per year.

We do not recommend using cleaning solutions or abrasives as this will damage the door surface finish.

The correct functioning of the doorset should be checked regularly to ensure it closes and latches correctly every time to maintain its fire integrity. Any failure to close correctly must be rectified immediately.

Please note, the details contained within this datasheet are correct at the time of publication. However, we reserve the right to change specifications at any time without prior notification. All colours and other finishes depicted in this document are subject to the limitations of the print process. We recommend all finishes are checked against actual samples prior to ordering. Timber and timber veneer are natural materials and consequently will exhibit variations in colour and grain.

