

Acoustic Silent Doors

ACOUSTIC DOORS



Acoustic Timber Doors

Standard: 35 dB rated

Premium: 44 dB rated

Range of high performance acoustic timber doors - ideal for apartments, hotels, boardrooms, conference rooms, offices, theatres, cinemas, and music studios.

- Manufactured to size for a precise fit
- Wide choice of wood veneer or paint finishes
- Fire rated with fire and acoustic seals fitted

Offices | Meeting Rooms | Hotels | Conference Centres | Leisure Centres | Schools | Restaurants | Showrooms



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Sales helpline **01204 548400**
8.30am - 5.00pm Monday to Friday

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JCW Acoustic Silent Door Acoustic Doorsets Detailed Description

Door leaves are constructed from a 54mm or 64mm high performance timber based composite core encapsulated by high quality hardwood stiles and rails faced with MDF, plywood or chipboard. These are then covered with decorative wood veneers, plastic laminates, stains or primed ready to paint as required.

Features:

- Available fire ratings : FD30, FD60 or non-fire rated.
- Acoustic Performance up to 44dB.
- Cold smoke protection can be accommodated.
- Available as a fully FSC certified doorset.

Product Guidance - As Standard

- Maximum Height 2883mm
- Maximum Width 2181mm
- Thickness 54 or 64mm

Options

Performance: Fire Resistance test to BS 476-22 by Chiltern International Fire Ltd

Glazing: Factory glazed using clear laminated fire / acoustic resisting glass in conjunction with necessary seals. The glass is retained using purpose made, pinned hardwood splayed and rebated cloak type glazing beads. For fire rated leaves the maximum permitted glazed area per leaf must not exceed 0.36 m² throughout the configuration range. Aperture shape is unrestricted and may be in multiple or single paned form providing glazing is not less than 100mm from any door edge and not less than 80mm between apertures.

Frame and Architraves: Supplied with a 640kg/m³ density or greater hardwood of minimum section 90 x 32mm after rebating or profiling.

Lipping: All doors will be supplied with hardwood exposed square lippings to vertical edges.

After-Care and Maintenance

In new buildings, heating should be introduced gradually and over a reasonable period. Initially prior to "handover" closure arms should be left unconnected, with the door ajar to aid even airflow. However door leaves must not be wedged open as this can cause distortion. Due to the importance of fire doors, regular maintenance must be carried out every six months. In recently occupied buildings more frequent checks may be required. Key areas that must be examined and dealt with immediately include:-

Door Leaf and Frame

Check that the door and frame remain square and have not distorted. Ensure that gaps are maintained at an optimum 3mm. /minor facial damage can be repaired : however any major structural defects must not be carried out without consultation.

Cleaning

Door and frame surfaces can be cleaned by wiping with a damp cloth to remove surface dirt. Never use solvent cleaners as these will damage the lacquered surface.

Vision Panels

If damage occurs to a vision panel or there is a need to replace it, then this must be carried out in consultation with JCW Acoustic Supplies.

Intumescent, Smoke & Acoustic Seals

Badly fitting or damaged seals must be replaced. Ensure that the seal is of the same type as originally fitted. Where smoke seals are fitted ensure that these are of a continuous length over each edge to avoid potential leaks in the event of fire.

Signage

Make sure that all fire doors are fitted with the correct fire signs.

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Storage & Installation Advice

General

JCW Acoustic Supplies fire doors and doorsets are type tested to BS476 Part 22 1987 and manufactured to meet the requirements of the relevant Global assessment. They are certified to achieve the specified fire resistance providing they are installed in accordance with the relevant Global Assessment. When products have been supplied under the BM-Trada Q Mark scheme they will be identified with one or more coloured plugs. These plugs must not be removed or obscured.

Health and Safety

Caution Fire Doors and Frames are Heavy. Care must be taken when lifting and handling. It is recommended that risk assessments are carried out before lifting, carrying or installing door sets. When handling timber products splinters may occur. Medical advice should be sought immediately. Products manufactured from timber-based materials along with the packaging are combustible: therefore the products should be stored away from radiant heat or flame. In case of fire use water to extinguish.

Storage

Doors / doorsets must be stored in a dry, protected and covered area away from extreme temperatures, high humidity, water or direct sunlight. Site conditions should be in the range 13 to 21 degrees centigrade with relative humidity in the range of 40% to 50%. It is recommended that doors / doorsets are stored in an environment similar to that of intended for use. Doors / doorsets must be stored flat on a minimum of 3 equally spaced appropriately sized bearers, ensuring they are in line to avoid distortion. Doro faces and beading must be protected to avoid damage. Never stand doors on their edges, this may lead to distortion or damage to the finish of the door. Doors / doorsets must not be installed until the building is complete and weather tight with all wet trades, plumbing and electrical installation and heating and / or air conditioning commissioned, balance complete. If doors are to be prime painted on site this should be done within 24 hours of receipt. Timber based materials exposed to sunlight will discolour therefore decorative veneered doors / doorsets should be protected from light to avoid this natural discoloration. In particular avoid partial exposure to avoid "striping" of the timber.

Installation

It is the responsibility of the installer to ensure that the complete doorset installation complies with the requirements of the relevant Global Assessment in all respects and with these instructions. This includes the fitting of any intumescent and acoustic seals and ironmongery. Ironmongery must be specified as in the global assessment. Advice on specifications for frames and doors including relevant seals can be obtained by contacting JCW Acoustic Supplies.

All glazing must be factory prepared and fitted. No site cutting of openings or fittings is permitted.

General Guidance can be obtained from "British Standard BS8214 : 1990 Code of practice for Fire Door Assemblies with non-metallic leaves and should be read in conjunction with the following notes:-

- Only skilled tradesmen should undertake the installation, as correct fitting of fire doors and / or frames is imperative.
- The installer should first check that the door / doorset is the correct one for the opening and that all wet trades have been completed and the area around the installation is dry and suitable for the installation of joinery.
- The door assemblies are approved to be installed in brick, block, masonry, timber or steel stud partitions, which must provide at least 30 or 60 minute fire rating as relevant.
- Any voids between the lining and wall must be filled with mineral wool or, if less than 6mm, with intumescent paste or mastic.
- Frame fixings to the wall must be on maximum 500mm centres with steel screws penetrating the wall by at least 50mm. There should be a minimum of 4 fixings per jamb preferably staggered across the width of the jamb. Fixings should be through solid packers set 10mm in from both faces of the frame to allow for intumescent and / or acoustic seals. All voids to be filled as described above.
- Doors should be hung to give an equal gap across the head and down both jambs. When fitted, the gaps between door and frame at the top and sides and door-to-door gaps must not exceed 4mm for FD 30 and FD 60 rated doors.
- FD30 and FD60 rated doors may be reduced in height or width for fitting purposes provided that edge lippings are maintained at a minimum thickness of 6mm for butt edges and 20mm for rebated edges. Rounded edges should not be reduced.

Hinges, locks, forends and closers should be fitted with intumescent gaskets. If these are not supplied with the ironmongery, check with the appropriate supplier.

Subsequent property occupiers should be provided with and keep a copy of this information together with any other relevant information.

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