



birmingham joinery ltd

Bespoke Joinery • Door Manufacturing

FD30 - INSTALLATION INSTRUCTIONS FOR FIRE DOORS AND FRAMES

THESE POINTS MUST BE STRICTLY FOLLOWED TO ACHIEVE CORRECT FIRE RATING FOR FD30 DOOR AND FRAME ASSEMBLIES

GENERAL

This door has been tested to BS 476: PART 22: 1987 and is certified by EXOVA BM TRADA as achieving Fire Resistance up to 30 minutes when used in accordance with the following conditions
To identify this, the leaf carries plastic plugs which describe the period of fire resistance issued under the EXOVA BM TRADA Q Mark Certification Scheme. As such, these plugs should never be removed from the product.

Checklist

- Check that you are using the correct door for the opening
- Doors must be stored flat using 3 equally spaced bearings
- Excessive humidity must be avoided, especially freshly plastered situations
- Fire doors are heavy and care must be taken when lifting and handling
- Only skilled tradesmen should undertake fitting to ensure correct installation
- Doors including all edges should be painted or lacquered within 24 hours of being on site

Door Gaps

When fitted, the gap between door and door frame at the top and sides must not exceed 3mm. The leaf to sill gap must not exceed 10mm

Installation

The door assemblies are approved to be installed in brick, block, masonry or timber stud of minimum thickness 70mm, which must provide at least 60 minutes for resistance. Any voids between the lining and the wall must be filled with mineral wool or if less than 6mm intumescent paste or mastic. Frame fixings to the wall should be a minimum of 3 points with steel fixings/screws penetrating the wall by at least 50mm.

All voids to be filled as earlier described above

Fixings and Ironmongery

Were the door or frame are plugged with red inner, the primary intumescents need fitting

Were the door or frame are plugged with green inner, this indicates that the primary intumescents are fitted
Were frames are supplied in kit form intumescents need to be fitted as supplied within the kit

All hinges and ironmongery should be supplied and fixed in accordance with the relevant manufacturers global assessment relating to the door core supplied

These fittings and fixings instructions must be strictly adhered to as any deviation could lead to test evidence

being negated

All relevant global assessment details are available from Birmingham Joinery on request:-

Tel:- 0121 772 8683

Fax:- 0121 766 8856

Email:- info@bhamjoinery.com

RATING PLUGS LOCATED ON TOP EDGE

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Resolute Joinery • Door Manufacturing • Australian Partitioning Components

FD30

RECOMMENDATION AND ADVICE ON SAFE HANDLING AND USE

- 1 - The weight of the FD30 Fire Doors are heavier than would normally be handled by one person. Doors should be handled by a minimum of 2 people at all times
- 2 - Doors should always be stacked on a flat and level surface. The stack height should be limited to ensure safe handling
- 3 - Products manufactured from timber related materials, along with the packaging are combustible, therefore the product should be stored away from radiant heat or fire
- 4 - In case of fire use water to extinguish
- 5 - When handling timber products, splinters may occur. These should be removed immediately and the wound treated with antiseptic
- 6 - Disposal of waste Polythene wrapping should be through the normal trade re-cycling or refuse collection outlets
- 7 - Normal hygiene standards should be used before food and drink are taken

AFTER CARE AND MAINTENANCE

In new buildings, heating should be introduced gradually and over a reasonable period. Initially prior to hand-over, closure arms should be left unconnected, with the door ajar to aid even airflow. However, they should not be wedged open as this can induce distortion

Due to the importance of fire doors, regular maintenance must be carried out. Periodic checks should be carried out every 6 months and in recently occupied buildings more frequent checks may be required. Key Areas that must be examined and dealt with immediately include the following

- **DOOR LEAF AND FRAME** - Check that the door and frame remain square and have not distorted. Ensure gaps are maintained at the optimum 3mm. Minor facial damage can be repaired, however any major structural defects will necessitate total replacement
- **VISION PANELS** - Cracked or Broken Glass on FS30 doors should be replaced
- **INTUMESCENT SEALS** - Badly fitted or damaged seals must be replaced. Ensure that the seal is of the same type as originally incorporated. Where smoke seals require replacement, ensure that they are fitted in one continuous length. If fixed "piece-meal" they could potentially leak at joints
- **DOOR CLOSERS** - Check that mechanism is operating correctly, also ensure doors are not being wedged open
- **IRONMONGERY** - Ensure fixings are secure, lubricate where required
- **SIGNAGE** - ALL fire doors must be fitted with correct sign indications