

IMPORTANT INSTALLATION INSTRUCTIONS FOR FIRE DOORS AND FRAMES

These points must be strictly followed to achieve the correct fire rating for FD30 door and frame assemblies.

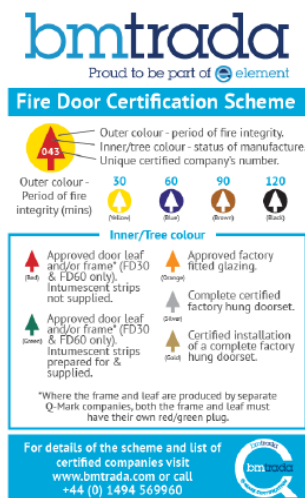
General

The door has been tested to EN 1634, BS 476: Part 22: 1987 and is certified by CERTIFIRE and BM TRADA as achieving fire resistance up to 30 minutes when installed in accordance with the following conditions – subject to this the door will meet the relevant requirements of BS 5588 when used in accordance with the provisions therein.

Plugging

This leaf carries plastic plugs which describe the period of fire resistance issued under the BM TRADA Q Mark certification scheme. FD30 doors / doorsets will be plugged with various plugs depending on the fire rating and product. These plugs should never be removed from the product.

For more information please see below:



Check this is located on top of the door / frame.

Door Leaf

This door has been tested as a latched and unlatched single action door leaf up to a height of 2400mm and a width of 1100mm, and as latched and unlatched double action door leaves up to a height of 2400mm x 950mm. Larger sizes are available but please consult with Deanta as some sizes have further restrictions. Single, double and unequal double doors are covered - refer to Field of Application WF399992 Rev B for doorset configurations.

Door Frames

The minimum approved door frame sections based on the test evidence are as follows. For MDF frames this is 100mm x 42mm min. For softwood or hardwood frames 70mm x 32mm min. Single acting door frames must incorporate at least a 12mm deep rebated or planted stop. For MDF the minimum material density is 700kg/m³ and softwood is 510kg/m³.

To ensure the door frame is compatible with our door we can supply you a ready to assemble door frame which guarantees

the whole unit certified as FD30. Please refer to Field of Application WF399992 Rev B for further information.

Door Frame Joints

The following door frame joints are permitted, half lapped joints, mitre joints, mortice and tenon joints and butt joints as long as they adhere to these specifications.

Lipping's

Feature Door Range – Take no more than 30mm off the width and height of the door, in equal amounts on all edges i.e. a maximum of 15mm off any edge, retaining 3mm lipping.

Architectural Range – Take no more than 6mm off the width and height of the door, in equal amounts on all edges i.e. a maximum of 3mm off any edge, retaining 3mm lipping.

Door Gaps

When fitted, the gap between door and frame at the top and side must be between a minimum of 2mm and a maximum of 4mm. Gap not to exceed 10mm between the bottom of the door leaf and the top of the floor covering. Some doorsets may offer cold smoke protection as per the requirements of EN1634-3:2004 – in this case door gaps should be no greater than 3mm and specification should be followed as set out WYC 506520.

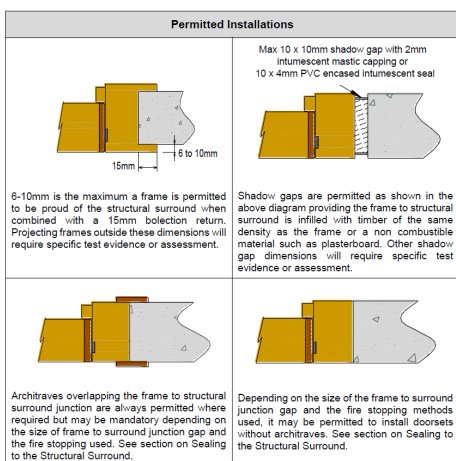
WARNING: Failure to fit correctly will invalidate test certification.

Installation

The door assemblies are approved to be installed in brick, block, masonry, timber or steel stud of minimum thickness 75mm, providing at least 30 minutes fire resistance. Gaps between the lining and the wall of between 10mm and 20mm must be packed with mineral fibre / ceramic fibre to Euroclass A1 or A2 to EN 13501-1 and heat resistant to at least 1000°C.

This must be finished and capped on both sides with a 10mm acrylic intumescent mastic fire tested to BS 476: Part 22 1987, BS 476 part 20, EN 1634-1 or EN 1366 part 4. Any voids between the lining and wall less than 10mm must be sealed on both sides with a 10mm intumescent paste or mastic fire tested to BS 476: Part 22 1987, BS 476 part 20, EN 1634-1 or EN 1366 part 4. The test duration must be at least the same or higher than the integrity period of the fire doorset being fitted.

Frame fixings to the wall at not less than four points with steel fixing/screws at a maximum of 600mm centres, penetrating the wall by at least 50mm. All voids to be filled as earlier described. Expanding foam is **not recommended** for use. If expanding foam is used, it must carry its own primary fire test evidence and/or third party certification for use with timber doorsets for 30 minutes fire protection. Failure to do so will result in all Deanta UK certification becoming void.



Glazing Apertures

All apertures to be factory prepared by Deanta UK Ltd. No site cutting of apertures is permitted as this will invalidate the certification.

The glazing system must be one of the following proven proprietary glazing systems.

Glazing System	Manufacturer
1. System 36 Plus	Lorient Polyproducts Ltd.
2. Therm-A-Strip 30	Intumescent Seals Ltd.
3. Fireglaze 30	Sealmaster Ltd.
4. Firestrip 30	Hodgsons Sealants Ltd.
5. Pyroglaze 30	Mann McGowan Ltd.
6. R8193	Pyroplex Ltd.
7. Flexible Figure 1 (FF1)	Lorient Polyproducts Ltd.
8. SM Intumescent CCFT	Sealmaster Ltd.

The glass types must be one of the following listed below.

Glass Type	Manufacturer	Thickness (mm)	Max Area (m ²)
Deanta Fire Glass	Deanta UK Ltd	8	1.03
Pyroshield I and II	Pilkington Group Ltd	6 & 7	1.58
Pyrostem	Pyroguard UK Ltd	6	1.58
Pyroguard EW 30	Pyroguard UK Ltd	7	1.25
Pyrobelite 7	AGC Flat Glass UK	7	1.58
Pyrodur 30-104	Pilkington Group Ltd	7	1.58
Pyrodur 60-10	Pilkington Group Ltd	10	1.58
Pyroguard EW MAXI	Pyroguard UK Ltd	11	1.25
Pyranova 15-S2.0	Schott UK Ltd	11	1.58
Pyrobelite 12	AGC Flat Glass UK	12	1.58
Pyrodur 60-20	Pilkington Group Ltd	13	1.58
Pyroguard EI 30	Pyroguard UK Ltd	15	1.58
Pyrostop 30-10	Pilkington Group Ltd	15	1.58
Pyrobel 16	AGC Flat Glass UK	16	1.58

We recommend factory fitted glass to ensure the door meet the correct fire specification.

Intumescent Seals – Door perimeter seals

Intumescent materials tested and assessed for all doors with Lorient Type 617 (15mm x 4mm) or Sealmaster Therm-A-Blade (15mm x 4mm) seals.

Hardware intumescent Protection

All essential hardware should be protected by the relevant intumescent protection. Please refer to Field of Application WF399992 Rev B for type, thickness and location.

Hinges

Hinges shall be CE marked against EN 1935 for use on 30-minute timber fire door assemblies and have a grade suitable for the size/weight of door required. Hinges may be steel lift off or butt hinges.

- a) Size 98–122mm high with a blade width of 28–37mm and a knuckle diameter 13mm (+1mm/-2mm).
- b) Door must be hung on minimum of 3 hinges.
- c) Leaves over 2400mm high must fit a minimum of 4 hinges.

We recommend Certifire hinges once they are manufactured within the scope set out above.

For doors listed under the maximum size above, no protection is required.

Latches

Locks/latches are not necessary however when fitted locks/latches are used they shall be CE marked for use on 30-minute timber fire doors. The maximum case dimensions for latches are 110mm high by 80mm deep by 15mm wide made from brass or a material with a melting point of ≥800°C.

We recommend Certifire hardware once the dimensions fall within the scope set out above.

These do not need to be protected as long as they meet the specification above.

Door closers

All doors must be fitted with automatic door closers. Overhead surface mounted door closers detailed in Field of Application WF399992 Rev B can be used. Alternatively, a CERTIFIRE approved overhead surface mounted door closer which is approved for 30 minutes in an ITT doorset is acceptable providing all requirements for intumescent and frame are complied with.

Doorset Modification

The doorset must not be modified in any way except for any modifications allowed under the Field of Application WF399992 Rev B. Any modifications outside of this scope will invalidate any Q-Mark certification. In order to maintain the doors certification, modification can only be carried out by a Q-Mark approved manufacturer (not installer) in their own

manufacturing facility and be further plugged by that manufacturer.

PAS24:2016 / FD30 dual certification doorsets

Deanta UK Type 5 doors can be provided as dual certified enhanced security / FD30 doorsets. This product is covered under BM TRADA certificate number 050/357 Only the specification described in this certificate can be provided and is strictly controlled by Deanta UK. Please contact Deanta UK for more information.

Additional Information

If required, this is to be sourced from BS 8214:2016.

Field of Application WF399992 Rev B is available on request through sign off of Non-Disclosure Agreement (NDA).

Recommended fitting instructions and door care

All doors must be examined immediately upon receipt and prior to installation as claims or faults will not be accepted once the door has been removed from packaging.

The following must be carried out to ensure the best performance from your Deanta door:

- Check that you are fitting the correct door for the opening.
- Doors must be stored flat using 3 equally spaced bearers, on a flat, dry surface.
- Doors must not be fitted in freshly plastered properties and doors should only be delivered to site after all wet trades are complete.
- To allow doors to acclimatise, they should be left in the property prior to installation for at least 7 days.
- Doors, including all edges should be lacquered prior to fitting.
- Fire doors must be handled by at least 2 people.
- Fire doors must be installed by a qualified carpenter/joiner.

When fitting our FD30 CERTIFIRE fire doors please refer to Deanta Field of Application WF399992 Rev B for Type 5 doors.

Responsible Door Maintenance

It is important to carry out regular maintenance and checks to the doors every 6 months. Any issues must be dealt with immediately.

Door Leaf and Frame	Check for distortion. Ensure gaps remain at 3mm. Major defects require complete replacement.
Glazing Apertures	Cracked or broken glass must be replaced by CERTIFIRE registered company.
Intumescent Seals	Damaged seals must be replaced with an identical seal by CERTIFIRE registered company.

Door Closers	Check functionality of mechanism.
Hinges, Latches and Locks	Check fixings are secure. Lubricate when needed and fitted to manufacturer's instructions.

A copy of the above information together with other relevant manufacturers literature should be kept for future reference by subsequent property owners and occupiers.

Document Control

Revision	Date	Details of Revision
Original doc	-	-
Rev 1	12/10/2020	Details updated to reflect additional scope in Global Assessments WF 399992 Rev A
Rev 2	11/02/2022	Details updated to reflect additional scope in Field of Application WF 399992 Rev B, to include additional Q-Mark information and reference PAS24 enhanced security doorsets

For any additional information or details contained within this leaflet contact:

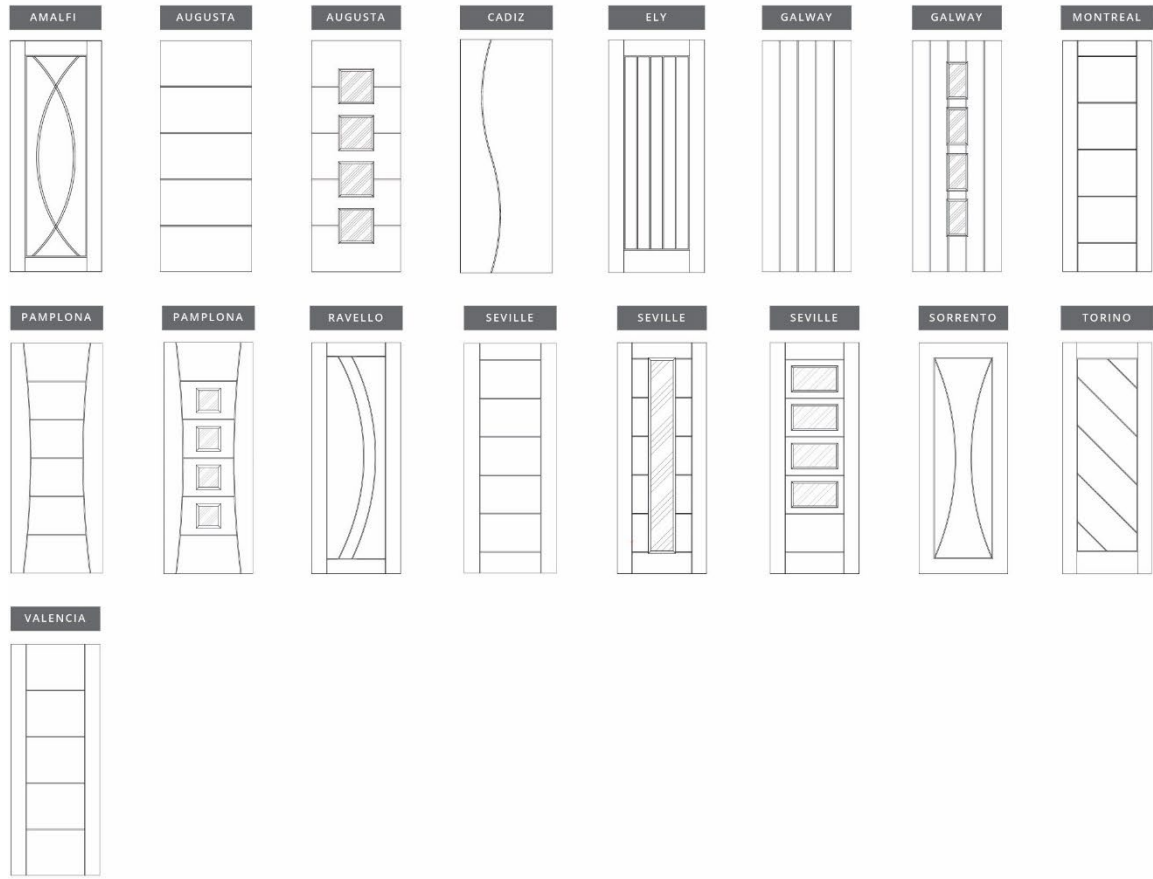
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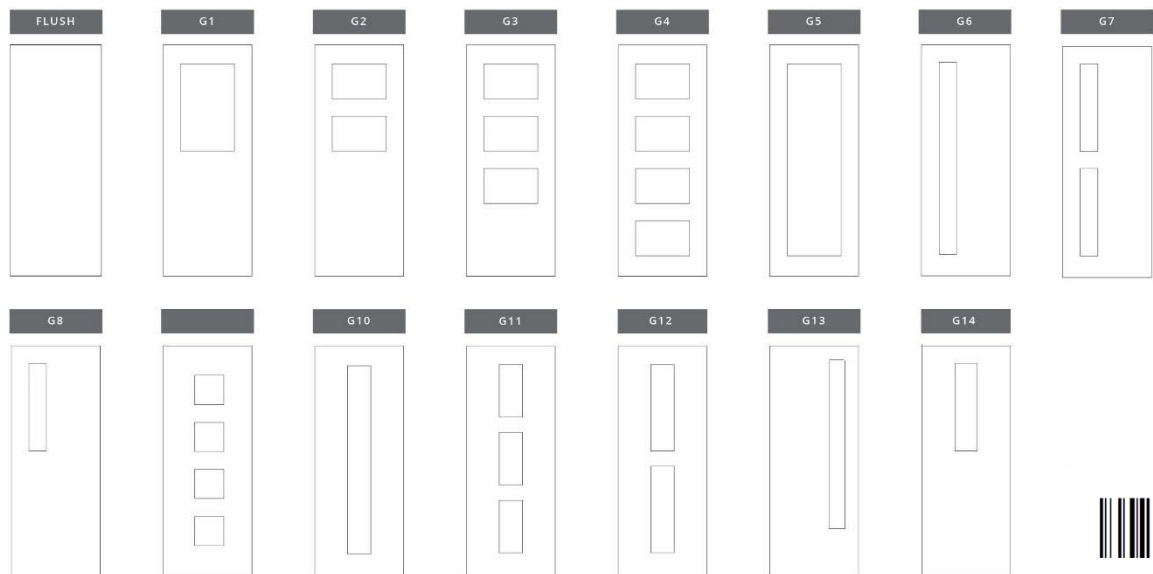
These doors are limited to veneered doors only, white primed doors are not included.

All the doors listed are stocked, but they are still available to order as Bespoke. For more information speak to our sales team on 01353 698602.

FEATURE RANGE



ARCHITECTURAL RANGE



QMARKT5