

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.

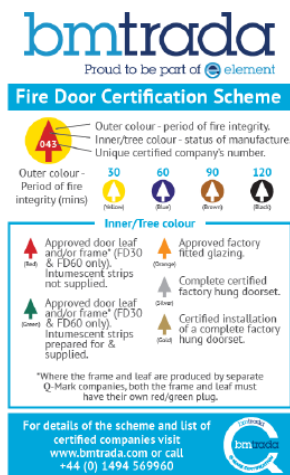
General

This door has been tested in relation to EN 1634, BS 476: Part 22: 1987 and is designated by 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 – Type 3

This door has been tested as a latched and unlatched single action single door leaf up to a height of 2400mm and a width of 1100mm, and as latched and unlatched double action single 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. Double doorsets are not allowed.

Door Leaf – Type 4

This door has been tested as a latched and unlatched single action single door leaf up to a height of 2400mm and a width of 1100mm. Larger sizes are available but please consult with Deanta as some sizes have further restrictions. Double doorsets are not allowed.

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 as assessed in relation to FD30.

Please refer to **Field of Applications** WF399990 Rev A and WF399991 Rev A for additional information.

Lippings

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.

Please refer to Field of Applications WF399990 Rev A and WF399991 Rev A for additional information.

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.

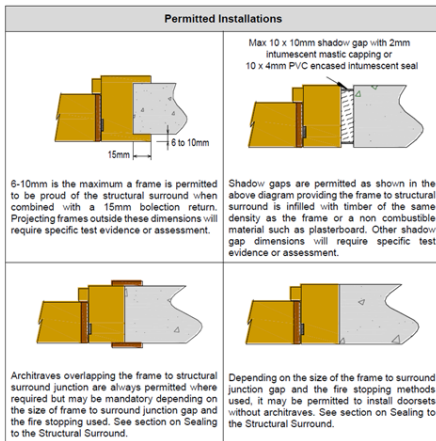
WARNING: Failure to fit correctly will invalidate door functionality.

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.



| | | | |
|------------|-------------------|----|------|
| Pyrobel 16 | AGC Flat Glass UK | 16 | 1.34 |
|------------|-------------------|----|------|

Please refer to the Field of Application WF399990 Rev A for further information on glazed Type 3 doors.

Intumescent Seals – Door perimeter seals

Intumescent seals are required to be fitted to these doors as described below. Intumescent materials tested and assessed for all doors with Lorient Type 617 15mm x 4mm seals.

Hardware Intumescent Protection

All essential hardware should be protected by the relevant intumescent protection. Please refer to Field of Application WF399982 Rev A 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 90–110mm high with a blade width of 28–35mm and a knuckle diameter 13mm (+1mm/-2mm).
- b) Door must be hung on minimum of 3 hinges.

We always recommend the use of CERTIFIRE approved hinges.

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

Locks/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.

| Element | Specification |
|--|--|
| Maximum forend & strikeplate dimension | 160mm high by 24mm wide by 4mm thick |
| Maximum body dimensions | 140mm high by 80mm wide by 18mm thick |
| Materials | All parts essential to the locking/latching action (including the latch bolt, forend and strike) to be steel, stainless steel or brass (melting point of ≥800°C) |
| Location | Between 800mm and 1200mm from the threshold |

We always recommend the use of CERTIFIRE approved locks and latches.

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

Glazing Apertures

Glazing only allowed in Type 3 doors.

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. |

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

| Glass Type | Manufacturer | Thickness (mm) | Max Area (m²) |
|---------------------|----------------------|----------------|---------------|
| Deanta Fire Glass | Deanta UK Ltd | 8 | 1.03 |
| Pyroshield I and II | Pilkington Group Ltd | 6 & 7 | 1.34 |
| Pyrostem | Pyroguard UK Ltd | 6 | 1.34 |
| Pyroguard EW 30 | Pyroguard UK Ltd | 7 | 1.25 |
| Pyrobelite 7 | AGC Flat Glass UK | 7 | 1.34 |
| Pyrodur 30-104 | Pilkington Group Ltd | 7 | 1.34 |
| Pyrodur 60-10 | Pilkington Group Ltd | 10 | 1.34 |
| Pyroguard EW MAXI | Pyroguard UK Ltd | 11 | 1.25 |
| Pyranova 15-S2.0 | Schott UK Ltd | 11 | 1.34 |
| Pyrobelite 12 | AGC Flat Glass UK | 12 | 1.34 |
| Pyrodur 60-20 | Pilkington Group Ltd | 13 | 1.34 |
| Pyroguard EI 30 | Pyroguard UK Ltd | 15 | 1.34 |
| Pyrostop 30-10 | Pilkington Group Ltd | 15 | 1.34 |

Door closers

All doors must be fitted with automatic door closers. Overhead surface mounted door closers detailed in Field of Application WF399990 Rev A / WF399991 Rev A 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** WF399990 Rev A for Type 3 Doors and WF399991 Rev A for Type 4 Doors for more information. Any modification must adhere to this and must be clearly documented. 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.

Additional Information

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

Field of Application WF399990 Rev A and WF399991 Rev A 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 fire doors please refer to Deanta Field of Application WF399990 Rev A for Type 3 doors and WF399991 Rev A for Type 4 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 399990 Rev A and WF399991 Rev A |
| Rev 2 | 18/02/2022 | Additional Q-Mark information added |

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

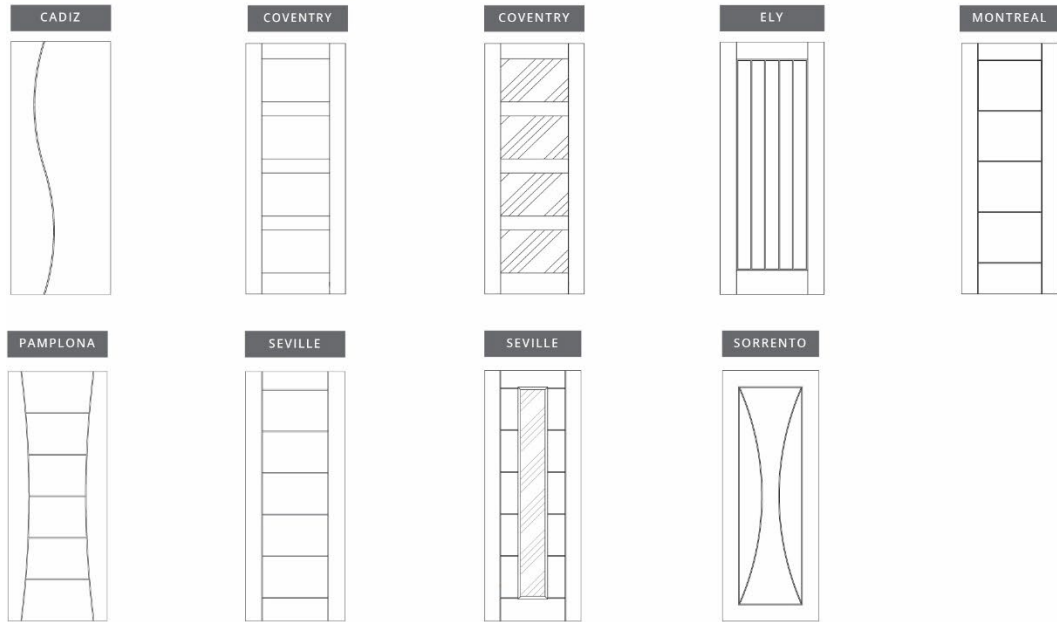
Deanta UK Ltd.
400 Lancaster Way Business Park
Ely
Cambridgeshire
CB6 3NW

Tel: 01353 698 602
Email: sales@deanta.co.uk

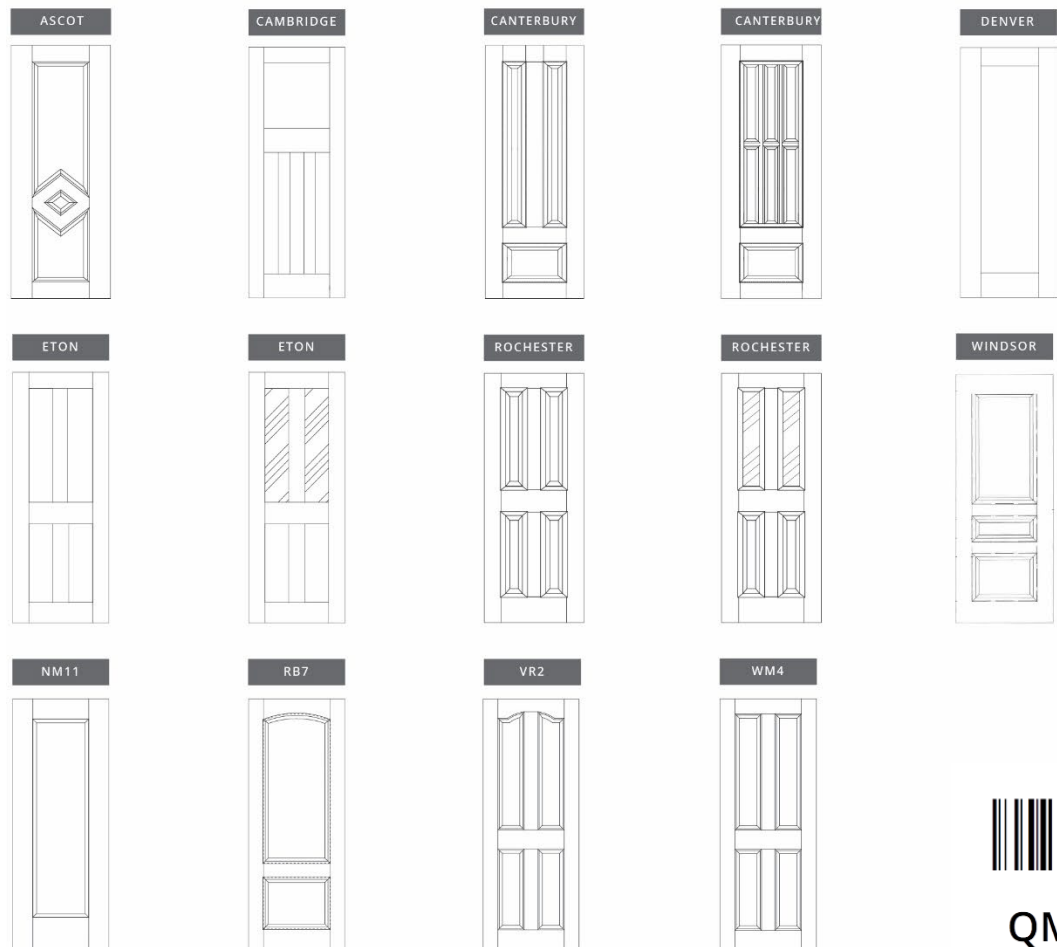
These doors are limited to primed doors only, veneered doors are not included.

For more information speak to our sales team on 01353 698602.

TYPE 3 DOORS



TYPE 4 DOORS



QMARKT3