These points must be strictly followed to achieve the correct fire rating for FD30 door and frame assemblies; for guidance on doorsets please see page 3.

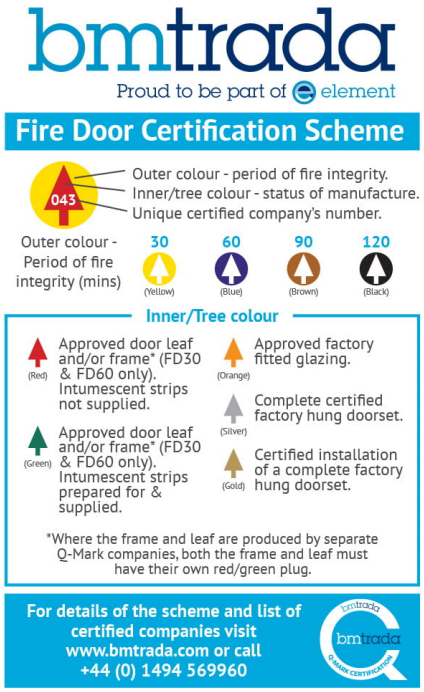
General

This door has been tested to EN 1634 and is certified by BM TRADA as achieving fire resistance for a minimum of 30 minutes when installed in accordance with the following conditions; subject to this the door will meet the relevant requirements of BS 9999 when used in accordance with the provisions therein.

Third Party Certification Labelling: Q-Mark

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. Check that these plugs are located at the head / hanging edge of the door and/or frame.

For more information please see below:



Door Leaf

This door has been tested as a latched and unlatched single door leaf up to a height of 2400mm and a width of 1100mm, and as latched and unlatched double 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 F 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 30mm min. For softwood or hardwood frames 70mm x 30mm 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 450kg/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 F for further information.

Door Frame Joints

The following door frame joints are permitted, half lapped joints, mortice and tenon joints and butt joints.

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.

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

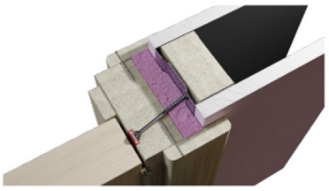
When fitted, the gap between door and frame at the top and side must be between a minimum of 2mm and a maximum of 4mm. Gap not to exceed 8mm between the bottom of the door leaf and the top of the floor covering. Some doorsets may offer cold smoke protection as per the requirements of EN1634-3:2004 – 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

Reference should be made to BS 8214:2016 Timber based fire door assemblies – Code of Practice for additional guidance.

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 13501-1and heat resistant to at least 1000ºC. 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 it's own primary fire test evidence and/or third party certification for use with timber doorsets for 30 minutes fire protection. Failure to follow these installation guidelines will result in all Deanta UK certification becoming void.
Refer back to Field of Application WF399992 Rev F for more detail.

Permitted Installations	
	Instances where the door frame and the wall of the same depth such that architraves are fitted flush to both faces. Note that the minimum door frame section size (width and depth) must be as per the requirements noted in this report – see door frame section. Architraves requirements are documented in the firestopping section of this report.
	Instances where the wall thickness is greater than the door frame depth. In this scenario timber architraves of minimum 18mm thick must be fitted to both faces, fitted with a minimum 15mm overlap to the door gap, other than when the architrave abuts the wall.
	Split frames are permitted providing that both frame sections are secured to the wall in accordance with section 11.5. Furthermore, the main frame section (from which the door is hung) must be constructed to at least the minimum door frame section size (width and depth) as per the requirements noted in this report – see door frame section. The extension piece must be constructed using the same timber species as the main frame section.

Glazing Apertures

The glazing system must be one of the following proven proprietary glazing systems. If off site glazing is required then the company undertaking the glazing must be covered under the relevant Q-Mark scheme and have had permission from Deanta UK to undertake this.

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

Please refer to WF399992 Rev F for allowed specifications.

Maximum Assessed Area of Glazing (m2)			
Glass Type & Manufacturer		Glazing System & Manufacturer	
		1	2
		System 36/6 Plus Lorient Polyproducts Ltd	**Sealmaster closed cell intumescent foam (10x3mm)** Sealmaster Ltd
1	**7mm Pyroguard EW30** Pyroguard UK Ltd (WF424965)	1.36	-
2	**7mm Pyroguard 2-EW30/7-1** Pyroguard UK Ltd (WF516940/R Doorset B)	1.36	(1.4)
3	**7mm Pyrodur 30-105** Pilkington Group Ltd (WF408837)	(1.36)	(1.24)
4	**8mm Deanta Fire Glass** Deanta UK Ltd (WF372561)	(0.1)	0.3
5	**11mm Pyrodur EW30-203** Pilkington UK Ltd (CFR2112151)	1.36	(1.27)

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

Intumescent Seals – Door Perimeter Seals

Lorient LP1504 / LP1504DS (15 x 4mm) & ISL Therm-a-seal / Therm-a-blade (15 x 4mm) have been tested and assessed for all doors.

For double doors the meeting edge must be fitted with 2x ISL Therm-a-seal (10 x 4mm) or 2x Lorient LP1004 fitted 10mm apart. **Please refer to WF399992 Rev F for allowed specifications.**

Hardware Intumescent Protection

All essential hardware should be protected by the relevant intumescent protection. Please refer to Field of Application WF399992 Rev F 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 76-110mm high with a blade width of 28–37mm.
b) Door must be hung on a minimum of 3 hinges.
c) Leaves over 2400mm high must be hung on a minimum of 4 hinges.

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

For doors under the maximum size listed above (a height of 2400mm and a width of 1100mm) no intumescent protection is required on the hinges.

Locks & Latches

Locks or latches are not necessary to achieve FD30 performance. If they are used they shall be CE marked for use on 30- minutes timber fire doors. Please refer to WF399992 Rev F for allowed specifications.

We recommend Certifire approved hardware once the dimensions fall within the scope set out above. Please check WF399992 Rev F for intumescent specification for each type of lock / latch.

Door Closers

All doors must be fitted with automatic door closers. Overhead surface mounted door closers detailed in Field of Application WF399992 Rev F. 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.

Concealed overhead door closers are allowed but must be listed in section 10.7.2 of WF399992 Rev F.

Doorset Modification

The doorset must not be modified in any way except for any modifications allowed under the Field of Application WF399992 Rev F. 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.

PAS24:2022 / 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.
Enhanced security FD30 doorsets will carry the label below

Please contact Deanta UK for more information.

Company:	**Deanta UK**	Manufacturing Year:	
Certificate No:	**357**		
Standard:	**PAS24:2022 + BS644**	Quarter:	
Classification:	**D**		

Modular Side Screens & Fan Lights

Supporting glazed side screens and fan lights can be installed to compliment one or both sides of single or double leaf doorsets. Details of the assembly and specification of these supporting screens and fan lights can be found in WF399992 Rev F.

Additional Information

- If required, this is to be sourced from BS 8214:2016.
- Field of Application WF399992 Rev F is available on request.

Recommended Fitting Instructions & 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:

- Fire doors & doorsets must be installed by a competent person. Deanta UK recommends the use of third party certified installers for all fire door & doorset installations.
- 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 finished prior to fitting.
- Fire doors must be handled by at least 2 people.

When fitting our FD30 Certifire fire doors please refer to Deanta CF5740 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. A copy of the above information together with other relevant manufacturers literature should be kept for future reference by subsequent property owners and occupiers.

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 a Certifire registered company.
Intumescent Seals	Damaged seals must be replaced with an identical seal by a 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.

Document Control

Revision	Date	Details of Revision
Original document	-	-
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 D,to include additional Q-Mark information and reference PAS24 enhanced security doorsets
Rev 3	15/02/2023	Details updated to reflect additional scope in WF399992 Rev C&D to include new door construction (white primed type 5), additional hardware / glazing and modular side screens and fan lights and softwood density.
Rev 4	16/07/2024	Details updated to reflect revalidation and revision of WF399992 and additional scope in WF399992 Rev E. Minor changes made to datasheet to reflect Q-Mark annual audit requirements.
Rev 5	17/02/2025	Details updated to reflect additional scope in WF399992 Rev F to include new door designs.

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

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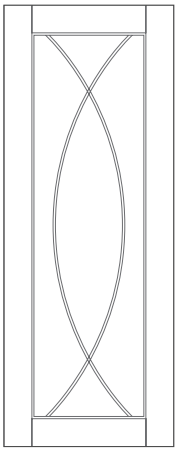
400 Lancaster Way Business Park
Ely
Cambridgeshire
CB6 3NW

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

déanta

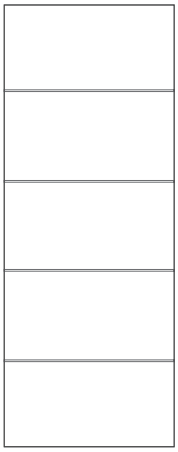
Feature Range

AMALFI



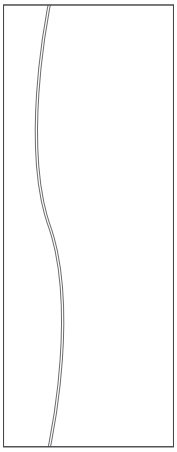
AVAILABLE IN
Oak

AUGUSTA



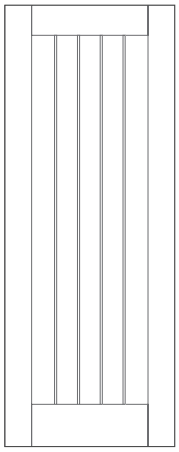
AVAILABLE IN
Oak & Glazed

CADIZ



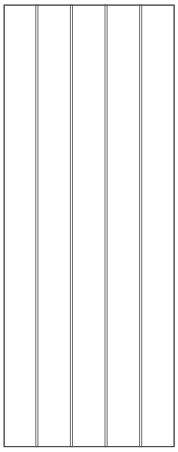
AVAILABLE IN
Oak, Walnut

ELY



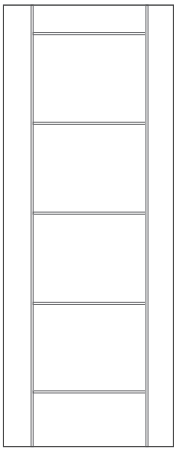
AVAILABLE IN
Oak, Brushed Black Oak, White Primed & Glazed

GALWAY



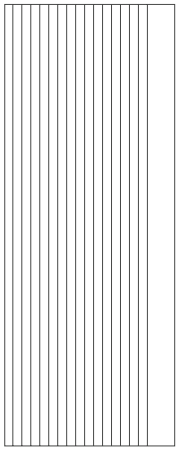
AVAILABLE IN
Oak & Glazed

MONTREAL



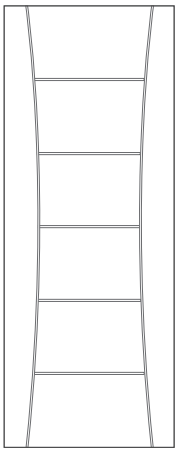
AVAILABLE IN
Light / Dark Grey Ash & Glazed

MALMO



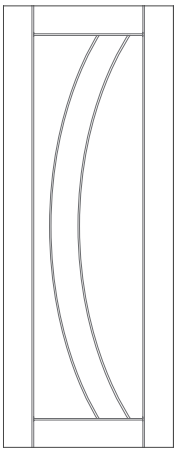
AVAILABLE IN
Oak & Prefinished Black

PAMPLONA



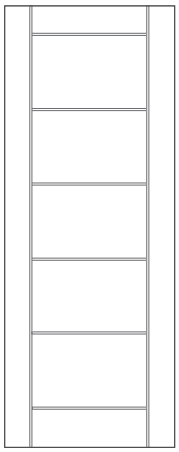
AVAILABLE IN
Oak, Walnut, White Primed

RAVELLO



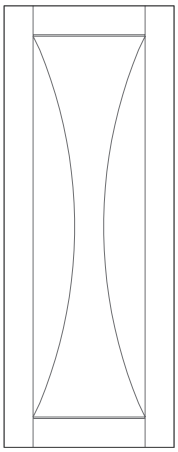
AVAILABLE IN
Oak, Light Grey Ash, White Primed

SEVILLE



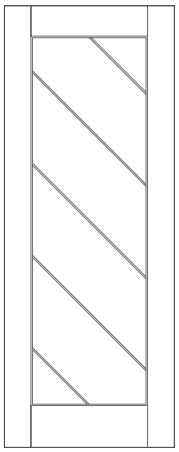
AVAILABLE IN
Oak, Brushed Black Oak, Walnut, White Primed & Glazed

SORRENTO



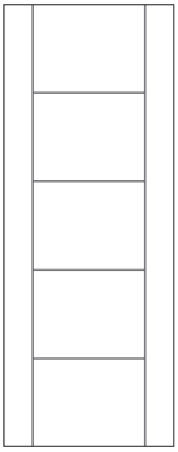
AVAILABLE IN
Oak, Light Grey Ash

TORINO



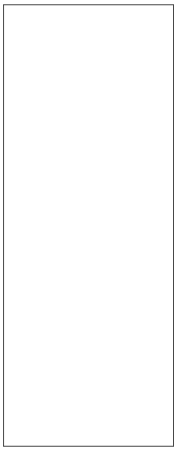
AVAILABLE IN
Oak, Light Grey Ash & Glazed

VALENCIA



AVAILABLE IN
Oak, Walnut

FLUSH



AVAILABLE IN
Oak, Walnut, Light/ Dark Grey Ash, White Primed, Ash & Glazed

QMARKT5

déanta