



CERTIFICATE OF APPROVAL

No CF5740

This is to certify that, in accordance with
TS00 General Requirements for Certification of Fire Protection Products
The undermentioned products of

DEANTA UK LTD

400 Lancaster Way Business Park, Ely. CB6 3NW
TEL 01353 698602

Have been assessed against the requirements of the Technical Schedule(s)
denoted below and are approved for use subject to the conditions
appended hereto:

CERTIFIED PRODUCT
TYPE 5 - FD30 Timber Door
Assemblies

TECHNICAL SCHEDULE
TS10 Fire Resisting Door
Assemblies with Non
Metallic Leaves

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager



Issued: 11th September 2019
Revised: 18th March 2021
Valid to: 10th September 2024





CERTIFICATE No CF5740

DEANTA UK LTD

DEANTA UK LTD - TYPE 5 - FD30 TIMBER DOOR ASSEMBLIES

This approval relates to the use of the above doors in providing fire resistance of 30 minutes insulation (if incorporating not more than 20% of uninsulating glass) and 30 minutes integrity as defined in BS 476: Part 22. Subject to the undermentioned conditions, the doors would be expected to meet the relevant requirements of BS 9999 for FD30 door assemblies when used in accordance with the provisions therein.

1. This certification is provided to the client for its own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
2. The doors are approved on the basis of:
 - i) Initial type testing
 - ii) A design appraisal against TS10
 - iii) Inspection and surveillance of factory production control
 - iv) Certification under a CERTIFIRE approved Quality Management System
 - v) Audit testing in accordance with TS10
3. The doors comprise cellulosic cored leaves in various finishes for use with timber-based frames, with intumescent edge seals (ITT FD30).
4. This approval is applicable to both complete door assemblies and door leaves. Where the door is not supplied in a fully fitted form it is a condition of this approval that an agreed Data Sheet accompanies the product and is complied with in its entirety. Failure to do so will invalidate this approval and may jeopardise the fire performance of the door.
5. This approval is applicable to latched and unlatched, single-acting, single and double-leaf, ITT assemblies with or without overpanels, at leaf dimensions up to those given in Table 1 below:
6. Glazing shall only be undertaken by the door manufacturer, or a CERTIFIRE approved Licensed Door Processor, and shall be in accordance with the Data Information Sheet and Construction Specification. No site cutting or glazing of apertures is permitted.

CERTIFICATE No CF5740 DEANTA UK LTD

DEANTA UK LTD - TYPE 5 - FD30 TIMBER DOOR ASSEMBLIES

Door assembly configuration	Maximum Height (mm)	Maximum Width (mm)	Area (m ²)
Intumescent Option 1 Single-Acting, Single-Leaf Latched / Unlatched Timber-based Frame	2900 (at 1350 wide)	1350 (at 2900 high)	3.92
Intumescent Option 2 Single-Acting, Single-Leaf Latched / Unlatched Timber-based Frame	2427 (at 1100 wide)	1113 (at 2400 high)	2.67
Intumescent Option 3 Single-Acting, Double-Leaf Latched / Unlatched Timber-based Frame	2480 (at 1000 wide)	1033 (at 2400 high)	2.48
Intumescent Option 4 Single-Acting, Double-Leaf Latched / Unlatched Timber-based Frame	2141 (at 950 wide)	968 (at 2101 high)	2.03
Intumescent Option 5 Single-Acting, Single-Leaf Latched / Unlatched Timber-based Frame	2086 (at 928 wide)	949 (at 2040 high)	1.936

Table 1

Note: Under no circumstances must the maximum height, maximum width or maximum area be exceeded without separate CERTIFIRE approval.

7. Hardware items, including closing devices and intumescent fire seals, shall be as specified in the Data Sheet.
8. The door assembly shall be mechanically fixed to wall constructions having a fire resistance of at least 30 minutes.
9. Labels to the CERTIFIRE design, or approved by CERTIFIRE, referencing CERTIFIRE and CERTIFIRE Ref. No. CF 5740 and FD30 classifications resistance shall be affixed to each door in the prescribed position.



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10.

DEANTA UK LTD - TYPE 5 - FD30 TIMBER DOOR ASSEMBLIES

11. This approval relates to on-going production. The product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application when appropriate.

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E/318 – J/133

Issued: 11th September 2019
Revised: 18th March 2021
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DEANTA UK LTD - TYPE 5 - FD30 TIMBER DOOR ASSEMBLIES CF5740 DATA SHEET

1. General

This door leaf has been fire tested and is certified by CERTIFIRE as being capable of providing fire resistance of 30 minutes integrity and 30 minutes insulation (if incorporating not more than 20% of uninsulated glass) as defined in BS 476: Part 22, when installed in accordance with the following conditions. Subject to these, the door will meet the relevant requirements of BS 9999 for FD 30 when used in accordance with the provisions therein.

In recognition of this, the leaf carries a prefixed label on the top or hanging edge of the door, issued under the terms of the CERTIFIRE scheme. This label uniquely identifies the door leaf, the manufacture of which complies with a CERTIFIRE approved Quality Management System and is subject to on-going surveillance. This label shall not be removed.

It is emphasised that the certification is conditional upon the following instructions being complied with in their entirety. Failure to do so will invalidate this approval and may jeopardise the fire performance of the door. Door assemblies supplied pre-fitted with components by Deanta UK Ltd may be considered to meet the requirements in respect of those items.

2. Door Leaf Dimensions

This approval is applicable to single-action, single and double-leaf, latched and unlatched, assemblies at leaf dimensions up to those detailed within Table 1 below:

Door assembly configuration	Maximum Height (mm)	Maximum Width (mm)	Area (m ²)
Intumescent Option 1 Single-Acting, Single-Leaf Latched / Unlatched Timber-based Frame	2900 (at 1350 wide)	1350 (at 2900 high)	3.92
Intumescent Option 2 Single-Acting, Single-Leaf Latched / Unlatched Timber-based Frame	2427 (at 1100 wide)	1113 (at 2400 high)	2.67
Intumescent Option 3 Single-Acting, Double-Leaf Latched / Unlatched Timber-based Frame	2480 (at 1000 wide)	1033 (at 2400 high)	2.48
Intumescent Option 4 Single-Acting, Double-Leaf Latched / Unlatched Timber-based Frame	2141 (at 950 wide)	968 (at 2101 high)	2.03
Intumescent Option 5 Single-Acting, Single-Leaf Latched / Unlatched Timber-based Frame	2086 (at 928 wide)	949 (at 2040 high)	1.936

⁽¹⁾ Under no circumstances must the maximum height, maximum width or maximum area be exceeded without separate CERTIFIRE approval.

(2) All timber framed door assembly configurations may incorporate overpanels which include a transom rail as detailed within data sheet.

3. Door Frame

To be any of the following:-

Deanta veneered engineered softwood, FR MDF & Plywood frame (Door assemblies including single point locks / latches only)	i) Density: ii) Dimensions: iii) Door Stop:	408 kg/m ³ min (softwood) 75 mm by 30 mm min. 12 mm deep pinned, screwed, or rebated from solid softwood or hardwood stop(510 kg/m ³ min)
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Where the stop is rebated from solid the overall frame thickness must be increased by 12 mm to accommodate the 12 mm rebate depth.

FR MDF (Door assemblies including single point locks / latches only)	i) Density: ii) Dimensions: iii) Door Stop:	700 kg/m ³ min 75 mm by 25 mm min. 12 mm deep pinned, screwed, or rebated from solid softwood or hardwood stop(510 kg/m ³ min)
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Where the stop is rebated from solid the overall frame thickness must be increased by 12 mm to accommodate the 12 mm rebate depth.

Softwood or Hardwood (Door assemblies including single point locks / latches only)	i) Density: ii) Dimensions: iii) Door Stop:	408 kg/m ³ min 75 mm by 32 mm min. 12 mm deep pinned, screwed, or rebated from solid softwood or hardwood (510 kg/m ³ min)
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Where the stop is rebated from solid the overall frame thickness must be increased by 12 mm to accommodate the 12 mm rebate depth.

Hardwood – For door assemblies including Multipoint locks	i) Density: ii) Dimensions: iii) Door Stop:	610 kg/m ³ min 75 mm by 30.5 mm min. 12 mm deep pinned, screwed, or rebated from solid hardwood stop (610 kg/m ³ min)
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Where the stop is rebated from solid the overall frame thickness must be increased by 12 mm to accommodate the 12 mm rebate depth.

Jointing:	Butt joints, mortice and tenon, mitred or half lapped joints with the head screw fixed to the jambs using two steel screws
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Door to frame gaps: Not to exceed 4 mm except at threshold where up to 8 mm is permitted and 4 mm at the meeting stiles

4. Overpanels –

Overpanels may be included up to a maximum height of 1000 mm when used with a transom rail.

Overpanels will include an identical perimeter intumescent fire seals to those included in frame perimeter and a minimum 44 mm thick transom rail (excluding stops).

5. Glazed Fanlights

Any CERTIFIRE approved glazing systems may be used providing the specification and installation details given in the appropriate certification documents are adhered to.

6. Supporting Construction

The door assemblies are approved to be installed in brick, block, masonry, timber or steel stud of minimum thickness 75 mm, providing at least 30 minutes fire resistance. Where stud partitions are used these should be suitably constructed to provide a secure fixing for the door assemblies as recommended by the partition manufacturer.

7. Installation

The opening may be lined with softwood or hardwood which shall be continuous and of minimum width, 75mm. Each door frame jamb to be fixed through to the wall at not less than four points with steel or nylon fixings at maximum 600 mm centres penetrating the wall to at least 50 mm. Architraves are optional with no restrictions on material, size or fixing.

Door assemblies shall be installed as stated in BS 8214. Suitable CERTIFIRE approved lineal gap sealing systems may also be utilised to protect the frame/supporting construction gap, subject to the conditions contained within the relevant certificate.

Additionally the frame/supporting construction gap may be protected by 'Fire and Acoustic Seals Ltd FD60 fire door foam'. In this application the frame/supporting construction gap shall be 3 mm to 6 mm and the minimum frame depth 100 mm. The foam shall fill the entire void for the full frame depth. Additional architrave protection is not required in this application.

The use of third party accredited installers provides a means of ensuring that installations have been conducted by knowledgeable contractors, to appropriate standards, thereby increasing the reliability of the anticipated performance in fire.

Door leaves may be trimmed to fit the frame, providing a minimum lipping thickness of 3 mm is maintained to all edges.

Note that the maximum door to frame and door to threshold gaps specified shall not be exceeded, nor shall the door edge fitted with the CERTIFIRE label be trimmed since removal of the label will invalidate the certification.

The labelled edge may be subjected to minor 'shooting-in', providing the label is not damaged or removed in the process, and the amount of material removed does not exceed that stated previously.

8. Glazed Apertures

All apertures to be factory prepared by Deanta UK Ltd, or a CERTIFIRE approved Licensed Door Processor. No site cutting of apertures permitted as this will invalidate the certification.

Door may incorporate CERTIFIRE approved glazing systems subject to the conditions contained within the relevant CERTIFIRE certificate (e.g. maximum size associated with glass, system, edge cover, aperture lining requirements, etc.), and the maximum pane dimensions given below (whichever is smaller):

Aperture dimensions: Doors may incorporate one or more vision panels to the maximum sizes identified in the table below:

Area: Maximum total glazed area of 1.32 m² per leaf (cut-out size)

Margins: Minimum 147 mm lock/hanging edge, 128 mm top edge, 47 mm horizontal margin between apertures and minimum 87 mm vertical margin between apertures

Maximum Permitted Aperture Dimensions		
Max. Height (mm)	Max. Width (mm)	Max. Area (m ²)
2010 (at 657 wide)	767 (at 1723 high)	1.32

Hardwood or non-combustible setting blocks will be used to establish the correct edge cover where necessary.

Non-insulating glasses: 7 mm thick Pilkington Pyrodur 30-105 glass or other CERTIFIRE approved glass and glazing systems, subject to the conditions of the glass/system certificate.

Intumescent System	Bead Dimensions	Bead Material/ Density	Fixings	Max. Height (mm)	Max. Width (mm)	Max. Dia.	Max. Area (m ²)
Lorient System 36 PLUS – No liner	15 mm high by 17 mm wide square flushbead (12 mm +2/-1 mm edge cover)	MDF min 700 kg/m ³	40 mm long pins or Tacwise air fired brads or No.6 screws. 50 mm from each corner and a maximum of 150 mm centres. Fitted at a 35 ⁰ to the face of the glass	2010 (at 657 wide)	767 (at 1723 high)	N/A	1.32
Sealmaster Intumescent Foam Glazing Tape – No liner	25 mm high by 22mm wide square bolection bead with 5 mm x 5 mm bolection (20 mm +2/-1 mm edge cover)	Hardwood min 640 kg/m ³	40 mm long pins or Tacwise air fired brads or No.6 screws. 50 mm from each corner and a maximum of 100 mm centres. Fitted at a 35 ⁰ to the face of the glass	1927 (at 506 wide)	607 (at 1606 high)	N/A	0.98

Insulating glasses: CERTIFIRE approved glass subject to the conditions of the glass certificate.

9. Intumescent Seals

CERTIFIRE certificated intumescent seals are required to be fitted to these doors as below.

For door assemblies to BS476: Part 22 – classified as FD30 – Timber-based Frame

Door assembly Configuration*	Frame material	Position	Required Intumescent Protection
Intumescent Option 1 Single-acting, Single-leaf door assemblies latched / unlatched Max 2900 mm high and 1350 mm wide (Max 3.92m ²)	Timber-based	Head	Single 15 mm wide by 4 mm thick Lorient 617 (positioned central to door thickness)
		Vertical edges	Single 15 mm wide by 4 mm thick Lorient 617 (positioned central to door thickness)
Intumescent Option 2 Single-acting, Single-leaf door assemblies latched / unlatched Max 2427 mm high and 1113 mm wide (Max 2.67m ²)	Timber-based	Head	Single 15 mm wide by 4 mm thick Pyroplex FO8700 (positioned central to door thickness)
		Vertical edges	Single 15 mm wide by 4 mm thick Pyroplex FO8700 (positioned central to door thickness)
Intumescent Option 3 Single-acting, double-leaf door assemblies latched / unlatched Max 2480 mm high and 1033 mm wide (Max 2.48m ²)	Timber-based	Head	Single 15 mm wide by 4 mm thick Lorient 617 (positioned central to door thickness)
		Hanging edges	Single 15 mm wide by 4 mm thick Lorient 617 (positioned central to door thickness)
		Meeting edges	Primary leaf only – 2No. 10 mm by 4 mm thick Lorient LP1004 (positioned 10 mm apart and 7 mm from face)
Intumescent Option 4 Single-acting, double-leaf door assemblies latched / unlatched Max 2141 mm high and 968 mm wide (Max 2.03m ²)	Timber-based	Head	Single 15 mm wide by 4 mm thick Lorient 617 (positioned central to door thickness)
		Hanging edges	Single 15 mm wide by 4 mm thick Lorient 617 (positioned central to door thickness)
		Meeting edges	Primary and Secondary leaf - Single 15 mm by 4 mm thick Lorient 617 in each meeting edge (positioned central to door thickness - opposing)
Intumescent Option 5 Single-acting, Single-leaf door assemblies latched / unlatched Max 2086 mm high and 949 mm wide (Max 1.936m ²)	Timber-based	Head	Single 15 mm wide by 4 mm thick Intumescent Seals Ltd Therm-A-Seal (positioned 16 mm from opening face)
		Vertical edges	Single 15 mm wide by 4 mm thick Intumescent Seals Ltd Therm-A-Seal (positioned 16 mm from opening face)

*See Table 1 for size restrictions

Latched or unlatched, single acting, single-leaves with maximum leaf dimensions 2040 mm high by 926 mm wide and of a minimum thickness of (42) mm may utilise alternative Intumescent in-line with the relevant CERTIFIRE approval for the proposed intumescent seal. All seals to be CERTIFIRE approved (to Technical Schedule 35).

All other door assembly configurations should include the specific intumescent size type and location as specified within the data sheet.

Smoke seals may be included subject to the conditions contained within the relevant CERTIFIRE certificate for the smoke seal.

10. 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.

Number:	Minimum 3 No.
Type:	Steel lift off or butt hinges.
Positions:*	Maximum 200 mm from the top of door to top hinge. Maximum 285 mm from the bottom of door to bottom hinge. Middle hinges fitted equidistant between the top and bottom hinges.
Dimensions:	i) Height: 98 - 122 mm ii) Blade width: 28 - 37 mm iii) Thickness: 3 mm (+/- 0.5 mm) iv) Knuckle dia.: 13 mm (+1 mm/- 2 mm)
Fixings:	Minimum 4No. steel screws, minimum No.8 by 30 mm long.
Intumescent Protection**	None required.

* The datum in all cases is the centreline of the hinge.

** The hinge specification above overrides any requirement for additional intumescent identified in the hinge manufacturer's certification providing the hinge specification falls within the parameters identified in the table above, specifically maximum dimensions and material.

Any other CERTIFIRE approved hinge may be fitted, providing the hinge dimension are no greater than 10% in blade width and 25% in blade height from that approved in the table above. Where the Certifire approved hinge exceeds the specification given in the table above, the minimum requirement for intumescent protection to the hinges, by-passing perimeter intumescent, and the material density and thickness for the door and frame elements given in the hinge manufacture's CERTIFIRE certificate shall apply

Any other CERTIFIRE approved hinges may be used, subject to the conditions contained within the relevant certificate.

11. Locks and Latches

Locks / latches are not necessary. When fitted locks / latches shall be CE Marked for use on 30 minute timber fire doors.

Mortice type, automatic (sprung) latch bolt, and knobsets.

Single-action, single- leaf doors only:

Upright and tubular mortice locks

Max. case dimension:	110 mm high by 80 mm deep by 15 mm wide
Max. forend dimension:	165 mm high by 27 mm wide
Max. keep dimension:	180 mm high by 30 mm wide (excluding latch plate lip). Keep/strikeplate may include a steel backbox
Latchbolt material:	Brass or material with a melting point $\geq 800^{\circ}\text{C}$
Position:	Max. 1100 mm from bottom of door to centreline of lockcase
Intumescent: protection*	Latch cases, forend and strike plate to be bedded onto 1 mm of Interdens sheet material.

Alternative - Tubular mortice locks only

Max. case dimension:	22 mm high by 65 mm deep by 15 mm wide
Max. forend dimension:	58 mm high by 26 mm wide
Max. keep dimension:	57 mm high by 36 mm wide (excluding latch plate lip). Keep/strikeplate
Latchbolt material:	Brass or material with a melting point $\geq 800^{\circ}\text{C}$
Position:	Max. 1100 mm from bottom of door to centreline of lockcase
Intumescent: protection*	Latch cases, to be wrapped with 2 mm of Intumescent seals Ltd Therm-A-Strip mono ammonium phosphate based intumescent sheet material. Forend bedded onto 2 mm of Intumescent seals Ltd Therm-A-Flex graphite-based intumescent sheet material. Strike plate to be bedded onto 1 mm of Intumescent seals Ltd Therm-A-Strip mono ammonium phosphate based intumescent sheet material. Additionally 1 mm of Intumescent seals Ltd Therm-A-Flex graphite-based intumescent sheet material shall be included in the base of the integral dust box where present.

Single-action, single- leaf & single-action, double- leaf doors:

Max. case dimension:	110 mm high by 80 mm deep by 15 mm wide
Max. forend dimension:	155 mm high by 22 mm wide
Max. keep dimension:	65 mm high by 25 mm wide (excluding latch plate lip).
Latchbolt material:	Brass or material with a melting point $\geq 800^{\circ}\text{C}$
Position:	Max. 1100 mm from bottom of door to centreline of lockcase
Intumescent: protection*	Latch cases, forend and strike plate to be bedded onto 1 mm of Interdens sheet material.

Note: This lock size is only approved for use in single-action, double- leaf doors where the primary leaf incorporates 2No. 10 mm by 4 mm thick Lorient LP1004 (positioned 10 mm apart and 7 mm from face).

Single-action, single- leaf & single-action, double- leaf doors:

Max. case dimension:	110 mm high by 80 mm deep by 15 mm wide
Max. forend dimension:	60 mm high by 27 mm wide
Max. keep dimension:	60 mm high by 27 mm wide
Latchbolt material:	Brass or material with a melting point $\geq 800^{\circ}\text{C}$
Position:	Max. 1100 mm from bottom of door to centreline of lockcase
Intumescent: protection 1*	Latch cases, forend and strike plate to be bedded onto 1 mm of Interdens.
Intumescent: protection 2*	Latch cases and forend to be bedded onto 0.8 mm and the keep, strike plate bedded on 1 mm Smith & Locke graphite-based sheet material; in addition the base of the latchbolt recess is to include 1 mm Smith & Locke graphite-based sheet material.

* This specification overrides any requirement for additional intumescent identified in the lock manufacturer's certification providing the lock/latch specification falls within the parameters identified above, specifically maximum dimensions and material.

Any other CERTIFIRE approved lock/latch may be fitted, providing no lock/strikeplate dimension is more than 25% of that approved in the table above and subject to the conditions contained within the relevant certificate. Where the Certifire approved lock/latch exceeds the specification given in the table above, the minimum requirement for intumescent protection to the locks, latches and strikeplates, by-passing perimeter intumescent, and the material density and thickness for the door and frame elements given in the lock/latch manufacture's CERTIFIRE certificate shall apply.

- Recessing for locks and keeps shall result in a tight fit, allowing for the intumescent protection specified.

- No restriction on type and material of face fixed mechanical lever handles and knobs providing these are wholly surface mounted (with the exception of the spindle and fixing holes) and the spindle hole is a maximum 15 mm in diameter.
- The Euro profile cylinder recess in the door face shall follow the shape of the cylinder and result in a tight fit.
- The use of mechanical locks in conjunction with electromechanical handles must be either CERTIFIRE approved for the application or subject to specific appraisal.

11a. Multipoint locks

Yale 3 Deadbolt Lockmaster

Single-action, single- leaf doors only		
Frames to be Hardwood only; with a minimum density of 610 kg/m³		
Option 1 (Lorient 15 x 4 mm 617 intumescent seals) only		
Multipoint locks are required to be latched at the centre latchbolt only.		
Dimensions:	Lock Forend:	1770 mm high by 20 mm wide by 3 mm thick
	Centre lock case:	200 mm high by 60 mm wide by 14 mm thick
	Top & Bottom Case:	120mm high by 40 mm wide by 14 mm thick
	Centre Strike Plate:	210 mm high by 20 mm wide (excluding latchbolt lip) by 2.5 mm thick
	Top & Bottom Keep:	120 mm high by 20 mm wide (excluding latchbolt lip) by 2.5 mm thick
Position:	Max. 1050 mm from bottom of door to centreline of the spindle.	
Cylinder:	Euro profile single cylinder, double cylinder or cylinder / thumbturn CE marked in accordance with BS EN 1303 as suitable for use on FD30 fire resistant assemblies.	
Intumescent protection:	Centre, Top & Bottom Lock cases:	All 3No lock cases shall incorporate 1 mm thick Lorient Polyproducts MAP to the full face/both sides. In addition 1 mm thick Flexifire graphite sheet material shall be included to the top, bottom and back edge of the all 3 lock cases.
	Centre, Top & Bottom Keeps:	All keeps to be bedded on 1 mm thick Flexifire graphite sheet material.

- Recessing for locks and keeps shall result in a tight fit, allowing for the intumescent protection specified.
- No restriction on type and material of face fixed mechanical lever handles and knobs providing these are wholly surface mounted (with the exception of the spindle and fixing holes) and the spindle hole is a maximum 15 mm in diameter.
- The Euro profile cylinder recess in the door face shall follow the shape of the cylinder and result in a tight fit.

12. Self-Closing Devices

All doors are required to be fitted with a CERTIFIRE certificated self-closing device. The exceptions are doors kept locked shut such as service access doors. Note: closers with mechanical hold-open mechanisms are not permitted to be used. Building Regulations may identify locations within domestic locations where self-closing devices are not mandatory.

The closers shall have a power rating appropriate to the leaf sizes, subject to the closer having the ability to close the door from any angle and against any latch and/ or seals fitted. The closer shall have the ability to provide a minimum size 3 closing force. Where doors are unlatched a minimum size 3 shall be maintained.

Closers shall be CE Marked against EN 1154 and categorised as grade 1 – suitable for use on fire / smoke door assemblies.

12a. Surface mounted overhead closers

Any CERTIFIRE approved surface mounted overhead closer may be fitted, subject to the conditions contained within the relevant certificate.

12c. Concealed overhead closers

Door assemblies may incorporate CERTIFIRE approved concealed overhead closers in accordance with the following:

- Concealed overhead closers are to be CERTIFIRE approved for use with single-acting, latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance of 30 minutes (code ITT).
- Intumescent protection to the closer body and arm channel are to be in accordance with the CERTIFIRE certificate of approval for the specified closer.
- Closer body and arm positioning to be in accordance with the CERTIFIRE certificate of approval for the specified closer.
- The minimum required frame density and section size are to be in accordance with the CERTIFIRE certificate of approval for the specified closer.
- Compliance is required with all additional requirements as stated within the CERTIFIRE certificate of approval for the specified closer.

12b. Jamb Mounted Closers

Recessed Deanta DH single-chain door Jamb Mounted closers with a maximum 58 x 27 mm forend and 22 mm diameter x 150 mm deep body are permitted to be used with the above mentioned doorset references within the following constraints:

- i) On internal, single-leaf, single-acting, latched door assemblies
- ii) In single occupancy, domestic dwellings including on a door between an integral garage and the living accommodation
- iii) On internal doors ONLY within a single residence (flat) of multiple occupancy domestic dwellings
- iv) Use on individual entrance (flat entrance) doors and in common areas within multiple occupancy dwellings and flats and all industrial and commercial applications are expressly excluded.

The forend within the door edge and frame shall be bedded on 1 mm Interdens intumescent sheet material.

- ⁽¹⁾ **Note: use of uncontrolled jamb mounted closers are permitted on the basis that, when the door is latched shut, it will not detract from the fire performance of the door assembly in the event of a fire. The closing device is not CERTIFIRE approved and no claims are made or should be implied or inferred on the ability of the device to close and latch the door or in respect of its mechanical performance or durability.**

12d. Transom Mounted and Concealed Closers

Not permitted

12c Floor Springs

Not permitted

13. Ancillary items

Please note that hardware items other than those discussed within this certificate of approval are not permitted.

13a Protection plates and signage

Surface mounted plastic, steel, aluminium or brass plates are acceptable on the basis that they are:

- ≤ 2 mm thick
- Do not occupy more than 20% of the door leaf in total, or exceed 500mm in height for kickplates and 300mm for mid-plates, whichever is the smaller.
- Do not wrap around the vertical edges, and on the closing face do not extend beneath the door stops (generally 40-50mm narrower than door width)
- Plates/signage can be bonded with a thermally softening adhesive. Additionally screws may be used.

13b. Flushbolts

Not permitted.

Bolts which are wholly surface mounted and do not encroach into the door/frame gap may be fitted providing these items are screw fixed only, and not bolted through the full thickness of the door

13c. Pull Handles

Screw-fixed, bolt-fixed from the back and back-to-back fixed pull handles of steel, brass, aluminium and nylon coated, are permitted providing any through-bolt fixing is of steel.

13d. Air transfer grilles

No site cutting of apertures permitted as this will invalidate the certification.

Where apertures are pre-cut by Deanta UK Ltd, or a CERTIFIRE approved Licensed Door Processor, Intumescent Air Transfer Grilles may be fitted on site by NON-CERTIFIRE approved staff, however, the Intumescent Air Transfer Grilles shall be CERTIFIRE approved for use in FD30 timber based doors. The air transfer grilles must be fitted into apertures prepared in line with the relevant CERTIFIRE certificate for the air transfer grille. Care must be taken to ensure all fitting instructions are followed, including any constraints imposed by the CERTIFIRE certificate with regards to position of the air transfer grille within the door assembly.

13e. Letter Plates

Where letter plates are fitted, the aperture for a letter plate may be formed on site by NON-CERTIFIRE approved staff, however, the letter plates shall be CERTIFIRE approved for use in FD30 timber based doors. The letter plates must be fitted into apertures prepared in line with the relevant CERTIFIRE certificate for the letter plate. Care must be taken to ensure all fitting instructions are followed, including any constraints imposed by the CERTIFIRE certificate with regards to position of the letter plate within the door assembly.

13f. Door Viewers

Door viewers may be fitted into the leaf providing the viewer comprises a metal sleeve and an optical glass lens and is not positioned higher than 1650 mm or lower than 1100 mm from the bottom edge of the door leaf to the centre of the viewer. The viewer shall have an external barrel diameter of not greater than 14 mm and be tightly fitted within the leaf.

A second door viewer may be included providing it is positioned no closer than 100 mm to each other and the maximum/minimum height is maintained.

13g. Coat Hooks and Other Surface Mounted Hardware

Ancillary items which are wholly surface mounted may be fitted providing:

- These items are screw fixed or bonded only
- Are not bolted through the full thickness of the door
- Are not directly above, or closer than 100 mm to any non-insulated glazing

13h. Dropseals

Lorient LAS8001 (35 x 14 mm) dropseals are specifically approved without additional intumescent protection.

Fire and Acoustic Seals Ltd FAS45 (28 x 12 mm) dropseals are specifically approved without additional intumescent protection.

Any other CERTIFIRE approved dropseal with a maximum dimension of 35 x 14 mm may be used, subject to the conditions contained within the relevant certificate.

Where dropseals are fitted, the recess for a dropseal may be formed on site by NON-CERTIFIRE approved staff. Care must be taken to ensure all fitting instructions are followed, including any constraints imposed by the CERTIFIRE certificate.

Note: Threshold gaps as stated in Section 3 are to be maintained

13i. Electric Strikes / Electromechanical locks

Not permitted

14. Further Information

Further information regarding the details contained in this data sheet may be obtained from DEANTA UK LTD (Tel: 01353 698602).

Further information regarding the CERTIFIRE certification and other approved products can be obtained from Warrington Certification Fire (Tel: +44 (0) 1925 646777)