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## CERTIFICATE OF APPROVAL

### No CF 625

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

## PREMDOR CROSBY LIMITED

Birthwaite Business Park, Huddersfield Road, Darton, Barnsley, S75 5JS  
Tel: 0844 371 5350

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

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#### CERTIFIED PRODUCT

Premdor Crosby Limited  
FD30 PremCORE Lite (L)

#### 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:  
Re-issued:  
Valid to:

1<sup>st</sup> September 2008  
8<sup>th</sup> May 2024  
25<sup>th</sup> November 2028

Page 1 of 3





## CERTIFICATE No CF 625 PREMDOR CROSBY LIMITED

### PREMDOR CROSBY LIMITED - FD30 PremCORE Lite (L)

This approval relates to the use of the above door assemblies in providing fire resistance of 30 minutes integrity and 30 minutes insulation (if incorporating not more than 20% of uninsulating glass) as defined in BS 476: Part 22: 1987. Subject to the undermentioned conditions, the doors will meet the relevant requirements of BS 5588 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 at the frequency specified in TS10
3. The doors comprise door leaves with a chipboard core, for use with timber frames, with intumescent edge seals (code 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 single and double-acting, single and double-leaf, latched and unlatched ITT assemblies at leaf dimensions up to those given in Table 1 below.

Door assembly configuration	Maximum Height (mm)	Maximum Width (mm)	Area (m <sup>2</sup> )
Single-Acting, Single-Leaf Latched / Unlatched	2126 (at 981 wide)	1010 (at 1981 high)	2.0
Single-Acting, Double-Leaf Latched / Unlatched	2126 (at 981 wide)	1010 (at 1981 high)	2.0
Double-acting, Single-leaf	2126 (at 981 wide)	1010 (at 1981 high)	2.0
Double-acting, Double-leaf	2126 (at 981 wide)	1010 (at 1981 high)	2.0

**Table 1.**

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

Both leaves of double-leaf assemblies are to be of identical construction.

Secondary leaves for unequal pairs shall be a min 30% of the primary leaf width.

Signed  
CQT44599-1  
CQT44599-3

Issued: 1<sup>st</sup> September 2008  
Re-issued: 8<sup>th</sup> May 2024  
Valid to: 25<sup>th</sup> November 2028



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## **CERTIFICATE No CF 625**

### **PREMDOR CROSBY LIMITED**

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#### **PREMDOR CROSBY LIMITED - FD30 PremCORE Lite (L)**

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.
7. Hardware items, including closing devices and intumescent edge seals, shall be as specified in the Data Sheet.
8. The door assemblies 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, CERTIFIRE and CERTIFIRE Ref. No. CF625 and FD30 classifications resistance shall be affixed to each door in the prescribed position.
10. 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 and mark together with the CERTIFIRE Certificate number and application where appropriate.

Signed  
CQT44599-1  
CQT44599-3

Issued: 1<sup>st</sup> September 2008  
Re-issued: 8<sup>th</sup> May 2024  
Valid to: 25<sup>th</sup> November 2028

# CF625 DATA SHEET

## PREMDOR CROSBY LIMITED FD30 PremCORE Lite (L)

### 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 uninsulating glass) as defined in BS 476: Part 22: 1987, 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 Premdor Crosby Limited may be considered to meet the requirements in respect of those items.

### 2. Door Leaf Dimensions

This leaf may be used in single or double-acting, single or double-leaf, latched and unlatched ITT door assemblies at leaf dimensions up to those given in Table 1. Double-leaf door assemblies including unequal sized door leaves are permitted on the assumption that the smaller leaf is no less than 30 % of the width of the larger leaf.

Door assembly configuration	Maximum Height (mm)	Maximum Width (mm)	Maximum Area (m <sup>2</sup> )
Single-Acting, Single-Leaf Latched / Unlatched	2126 (at 981 wide)	1010 (at 1981 high)	2.0
Single-Acting, Double-Leaf Latched / Unlatched	2126 (at 981 wide)	1010 (at 1981 high)	2.0
Double-acting, Single-leaf	2126 (at 981 wide)	1010 (at 1981 high)	2.0
Double-acting, Double-leaf	2126 (at 981 wide)	1010 (at 1981 high)	2.0

**Table 1.**

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

Both leaves of double-leaf assemblies are to be of identical construction.

Secondary leaves for unequal pairs shall be a min 30% of the primary leaf width.

### 3. Door Frame

To be any of the following:-

Softwood or Hardwood	Density:	450 kg/m <sup>3</sup> minimum.
	Dimensions:	70 mm by 28 mm minimum.
	Door Stop:	Any size - pinned, screwed, tongue and grooved or rebated from solid (min stop density 430 kg/m <sup>3</sup> ). Where the stop is rebated from solid the overall frame thickness must be increased by the required amount to accommodate the 12 mm rebate depth.
	Extension Lining:	Butt jointed extension linings may be fitted to the opening or closing face of the frame Tongued & Grooved extension linings shall be fitted to the closing face of the frame only, ensuring that the tongue is a tight fit within the groove. A minimum lining width of 94 mm is required for use with a tongued & grooved extension lining. Extension linings are for decorative purposes only and therefore shall not be used to close the cavity in the supporting construction. Cavities must be closed prior to the application of extension linings
MDF	Density:	700 kg/m <sup>3</sup> min.
	Dimensions:	70 mm by 25 mm min.
	Door Stop:	Any size - pinned, screwed, tongue and grooved or rebated from solid. Where the stop is rebated from solid the overall frame thickness must be increased by the required amount to accommodate the 12 mm rebate depth.
	Extension Lining:	Butt jointed extension linings may be fitted to the opening or closing face of the frame Tongued & Grooved extension linings shall be fitted to the closing face of the frame only, ensuring that the tongue is a tight fit within the groove. A minimum lining width of 94 mm is required for use with a tongued & grooved extension lining. Extension linings are for decorative purposes only and therefore shall not be used to close the cavity in the supporting construction. Cavities must be closed prior to the application of extension linings
Jointing:	Butt joints, mortice and tenon, mitred or half lapped joints with the head screw fixed to the jambs using two steel screws	
Door to frame gaps:	Not to exceed 4 mm except at threshold where up to 10 mm is permitted and 3.5 mm at the meeting stiles of double-leaf door assemblies Please note that a reduced threshold gap may be required to comply with smoke leakage requirements	

#### **Alternative Framing - Speed Set Framing System**

The 'Speed Set' system comprises a minimum of eight polypropylene clips on one face and eight metal clips on the opposite face of an MDF door frame. The frame is screw fixed via the clips into the face of the supporting construction. The clips are masked with MDF architraves. The gap between the door frame and the supporting wall must be tightly packed to full depth with mineral fibre.

Frame dimensions to be a minimum of 70 mm by 25 mm.

Speedset frames include an intumescent groove within the frame reveal, set back 24 mm from the opening face of the frame.

Premdor Crosby Ltd, Speedset installation instructions must be adhered to.

#### 4. Overpanels/Sidepanels

Transomed overpanels, manufactured to the same specification as the door leaves, may be included up to 1000 mm high, with a minimum 28 mm thick transom rail.

Mullioned sidepanels, manufactured to the same specification as the door leaves, may be included up to 1000 mm wide, with a minimum 28 mm thick mullion.

Overpanels/Sidepanels shall be fixed using steel screws at a maximum of 400 mm centres and a Max. of 100 mm from each corner, through the centre of the panel to a depth of at least 30 mm.

#### 5. Glazed Fanlights and Sidelights

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

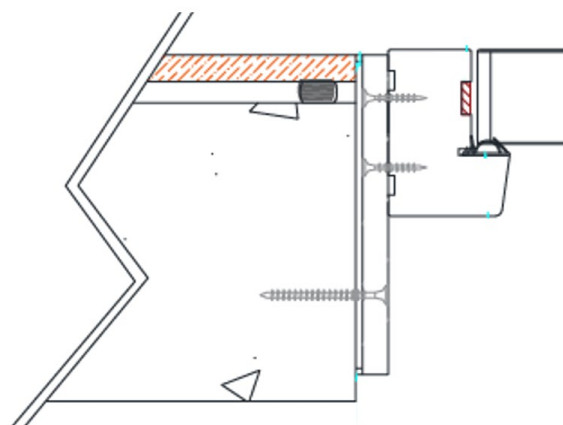
#### 6. Supporting Construction

The door assemblies are approved to be installed in brick, block, masonry, or timber stud of minimum thickness 70 mm, providing at least 30 minutes fire resistance.

The steel studs supporting the door frame must have adequate timber bracing to ensure that they are stable in a fire. The wall system manufacturer must be consulted for advice on this. Failing this the steel studs that support the hinges and latch legs of the door frame must be braced floor to ceiling with timber at least 38mm thick by the width of the steel stud. The timber bracing must be firmly fixed to the floor and ceiling and the door frame must be firmly fixed to this timber bracing at least 4 points on each leg of the frame with steel fixings at a maximum 600mm centres.

Single-action, single-leaves may be installed using fixing blocks, in accordance with the following specification:

Fixing block:	Material:	Plywood (min 550 kg/m <sup>3</sup> )
	Dimensions:	100 mm high by 150 mm wide by 12 mm thick
	Quantity:	Minimum 4No. fixing blocks per jamb, positioned at maximum 570 mm centres (maximum 150 mm from the top and bottom of the jamb).
Fixings:	Dimensions:	Fixing block to supporting construction, requires 1No. steel screw 60 mm long by Ø5 mm minimum per fixing block
		Fixing block to frame, requires 2No steel screws 30 mm long by Ø4 mm minimum per fixing block
	Note:	Prior to installation, using this arrangement, full installation instructions shall be obtained from Premdor Crosby Ltd.



Where brick, block, masonry walls are plasterboard faced, the plasterboard adjacent to the door assembly shall be mechanically fixed to ensure that it remains in-situ for the required integrity period.

## 7. Installation

The opening may be lined with softwood which shall be continuous and of minimum width, 85mm. 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 45 mm, except in domestic locations (excluding flat entrance door assemblies) where a minimum 30 mm wall penetration is permitted. Timber based 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.

Alternatively, Door to frame gaps, up to 20 mm wide, may be installed utilising the following lineal gap sealing systems:

Option 1	Infill (No capping required)
Manufacturer:	Fire and Acoustic Seals Ltd.
Reference:	Fire Door Foam – CF5839
Material:	Polyurethane foam
Application:	To the full depth of the gap between the rear of the frame/supporting wall

Option 2	Infill	Capping
Manufacturer:	Rockwool	FSI
Reference:	RWA45	Pyrocoustic Mastic
Material:	Mineral wool	Water based acrylic ablative sealant
Application:	Infill applied to the full depth of the gap between the rear of the frame/supporting wall, less 6 mm ( $\pm 2$ mm) to both the opening and closing face of the installation to allow for the application of the capping.	

Option 3	Infill	Capping
Manufacturer:	Rockwool	Mann McGowan
Reference:	RWA45	Pyromas A
Material:	Mineral wool	Intumescent acrylic sealant
Application:	Infill applied to the full depth of the gap between the rear of the frame/supporting wall, less 6 mm ( $\pm 2$ mm) to both the opening and closing face of the installation to allow for the application of the capping.	

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 by the following maximum amounts:

Stiles (each):	3 mm
Top:	No limit providing lippings are not fitted, 3 mm if lippings are fitted, however, care must be taken when trimming the top of the leaf to ensure that the CERTIFIRE label is not removed or damaged)

Bottom:	No limit providing lippings are not fitted, 3 mm if lippings are fitted
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Doors may be fitted with lippings up to 25mm thick. Where thicker (greater than 6mm) lippings are fitted, leaves may be trimmed on the lipped edges to leave a minimum of 3mm ensuring the CERTIFIRE is not removed or damaged).

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.

Care must also be taken to ensure glazed aperture margins (100 mm between apertures and leaf edge) are maintained.

## 8. Glazed Apertures

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

The leaf/leaves may incorporate CERTIFIRE approved glazing systems subject to the conditions contained within the relevant certificate and the maximum pane dimensions given below (whichever is smaller):

Aperture dimensions: Doors may incorporate one or more vision panels to the maximum sizes/area identified in the table below providing the minimum margins are maintained.

Area: Maximum total glazed area of 1.08 m<sup>2</sup> per leaf

Margins: 100 mm from the perimeter edge, 80 mm between apertures

Maximum Permitted Aperture Dimensions		
Max. Height (mm)	Max. Width (mm)	Max. Area (m <sup>2</sup> )
1800 (at 744 wide)	812 (at 1650 high)	1.34

The following glazing configurations are approved for double-leaf door assemblies:

- Equal glazing in both leaves
- Both leaves unglazed
- One leaf glazed: one leaf unglazed
- Each leaf to have unequal glazing (different dimensions and/or area)

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

**Ladder Frame** - Glazed apertures may use the ladder frame system comprising single glass pane installed within aperture using 23 mm by 20 mm perimeter beads (at 750 kg/m<sup>3</sup>), with 'planted on' beads of similar size and density forming a ladder frame. Ladder beads to incorporate a 'Therm-a-strip' intumescent between the beads and the glass.



Circular and diamond shaped apertures may be used providing the glazing systems used are CERTIFIRE approved.

## 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

Doorset Configuration	Position	Required Sizes of Lorient Type 617 Intumescent Seals
Single-acting, single-leaf	Head	1 off. 15 mm by 4 mm thick positioned centrally within the door leaf thickness or 14 to 15 mm from the opening face of the frame, within the frame reveal.
Single-acting, double-leaf Double-acting, single leaf	Vertical edges	1 off. 15 mm by 4 mm thick positioned centrally within the door leaf thickness or 14 to 15 mm from the opening face of the frame, within the frame reveal.
Double-acting, double-leaf	Meeting edges (double-leaf doors only)	2 off. 10 mm by 4 mm thick or 1 off. 20 mm by 4 mm thick. Intumescent seals may be positioned within one leaf or there may be one strip in each leaf. For the latter case, seals should be positioned within the leaves such that they are not opposing.

### Alternative Seal Specifications for Single-Acting, Double-Leaf Assemblies

Doorset Configuration	Position	Required Sizes of Intumescent Seals Ltd Therm-A-Seal
Single-acting, double-leaf	Head	1 off. 15 mm by 4 mm thick positioned centrally within the door leaf thickness or 14 to 15 mm from the opening face of the frame, within the frame reveal.
	Vertical edges	1 off. 15 mm by 4 mm thick positioned centrally within the door leaf thickness or 14 to 15 mm from the opening face of the frame, within the frame reveal.
	Meeting edges	1 off. 15 mm by 4 mm or 2 off. 10 mm by 4 mm thick or 1 off. 20 mm by 4 mm thick. Intumescent seals may be positioned within one leaf or there may be one strip in each leaf. For the latter case, seals should be positioned within the leaves such that they are not opposing.

Doorset Configuration	Position	Required Sizes of Pyroplex Rigid Box / Rigid Pile Seals
Single-acting, double-leaf	Head	1 off. 15 mm by 4 mm thick Rigid Box Seal (PO8700) or Pile rigid Box Seal (PO8712) positioned centrally within the door leaf thickness or 14 to 15 mm from the opening face of the frame, within the frame reveal.
	Vertical edges	1 off. 15 mm by 4 mm thick Rigid Box Seal (PO8700) or Pile rigid Box Seal (PO8712) positioned centrally within the door leaf thickness or 14 to 15 mm from the opening face of the frame, within the frame reveal.
	Meeting edges	2 off. 10 mm by 4 mm thick Rigid Box Seal (PO8500) or Pile Rigid Box Seal (PO8512). Intumescent seals may be positioned within one leaf or there may be one strip in each leaf. For the latter case, seals should be positioned within the leaves such that they are not opposing.

Seals may be interrupted at hinge and latch positions.

Latched or unlatched, single-acting, single-leaves with maximum leaf dimensions 2040 mm high by 926 mm wide and of a minimum thickness 42 mm may utilise alternative Intumescents, of the same dimensions, 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 shall include the specific intumescent size type and location as specified within the data sheet, noting that the Speedset frames include an intumescent groove within the frame reveal, set back 24 mm from the opening face of the frame.

Intumescent seals may be fitted into door leaf or frame unless specifically stated otherwise.

All Intumescent seal dimensions are inclusive of the PVC casing.

All seals exposed unless stated otherwise.

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.

Number:	Minimum 3No.	
Type:	Steel lift-off or butt hinges	
Positions*:	Top Hinge:	Max. 250 mm from top of door to top hinge
	Bottom Hinge:	Max. 275 mm from bottom of door to bottom hinge
	Middle Hinge:	May be positioned at any position from mid-height of door to a minimum of 200 mm from top hinge position
	Note* The datum in all cases is the centreline of the hinge.	
	Note: Where 4No hinges are required the 2No middle hinges should be positioned equally between the top and bottom hinges within the leaf height	
Hinge Dimensions:	Blade height:	100 mm (+/- 20%)
	Blade width:	35 mm (+/- 3 mm )
	Blade thickness:	3 mm (+/- 0.5 mm)
	Knuckle dia.:	13 mm (+ 1.5mm / - 1mm)
Fixings:	Minimum 4 No. steel screws per blade	
	Minimum No.8 by 32 mm long	
Intumescent protection**	None required.	
	Option to include 1 mm thick Interdens or Graphite intumescent sheet material under hinge blades permitted.	

## Speedset/Doorkit Hinge Specifications

Hinges shall be CE Marked against EN 1935 for use on 30 minute timber fire door assemblies.

Number:	Minimum 3No.		
Type:	Steel construction, fixed pin		
Positions*:	Top Hinge:	Max. 250 mm from top of door to top hinge	
	Middle Hinge:	Mid-height of door	
	Bottom Hinge:	Max. 250 mm from bottom of door to bottom hinge	
	Note* The datum in all cases is the centreline of the hinge.		
Hinge Dimensions:	Blade height:	Door	55 mm (+/- 2 mm)
		Frame	65 mm (+/- 2 mm)
	Blade width:	Door	43 mm (+/- 2 mm )
		Frame	32 mm (+/- 2 mm )
	Blade thickness:	Door	2.5 mm to 6.5 mm
		Frame	3 mm (+/- 0.5 mm)
	Knuckle dia.:	12.5 mm (+/- 1mm)	
Fixings:	Minimum 3 No. steel screws per blade		
	Door: Minimum 4 mm by 40 mm long	Frame: Minimum 4 mm by 25 mm long	
	Door assemblies may utilise an alloy fixing plug to the door leaf, at the centre fixing position of the adjustable hinges.		

Intumescent protection**	None required.
Door Frame:	minimum MDF door frame thickness to be 25 mm for all door options

\* 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 (excluding the tolerances stated). 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.

Double-action hinges are not permitted for use in conjunction with CERTIFIRE approved door assemblies, as they are not a controlled self-closing device, and therefore do not comply with Building Regulation requirements.

Projection hinges and rising / falling butt hinges are not permitted for use in conjunction with CERTIFIRE approved door assemblies.

## 11. Locks/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.**

Max. case dimension:	165 mm by 98 mm by 19 mm
Max. forend dimension:	235 mm high by 25 mm wide
Max. keep dimension:	180 mm high by 24 mm wide (excluding lip)
Latchbolt material:	Steel or Brass
Cylinder:	Euro profile single cylinder, double cylinder or cylinder / thumbturn, suitable for use on FD30 fire resistant assemblies in accordance with EN 1303.
Position:	Max. 1100 mm from bottom of door to centreline of lockcase
Intumescent: protection*	Forends / keeps shall be bedded on intumescent mastic OR both side faces of lockcase to be lined with 1 mm thick Interdens (Mono Ammonium Phosphate) or Graphite intumescent sheet material – minimum dimensions of sheet to be 30 mm wide by full height of lockcase, affixed abutting the lock forend,

\* The lock specifications above overrides any requirement for additional intumescent identified in the lock manufacturer's certification providing the lock/latch specification falls within the parameters identified in the table 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.

### **Vingcard Signature and Signature RFID**

These locks may be utilised in accordance with the minimum specification provided below:

Door configuration:	Single-acting, Single-leaves only
Frame:	Softwood, Hardwood or MDF in accordance with section 3 of Data Sheet.
Lippings:	Minimum 6 mm thick with a minimum density of 610 kg/m <sup>3</sup> applied to vertical door edges.
Intumescent: protection*	1 mm Interdens sheet intumescent under the lock forends and keep.

CE Marked locks and latches with increased dimensions may be utilised in accordance with the following specification:

- Locks and latches will be CE marked in accordance with BS EN 12209 for use on 30 minute timber fire door assemblies.
- Max lock/latch dimensions: Case: 81 mm high by 106 mm wide by 16 mm thick  
Forend: 118 mm high by 23 mm wide  
Keep: 89 mm high by 25.5 mm wide
- Intumescent protection to the lock shall comprise of 1 mm thick Interdens intumescent sheet material to fully wrap the lock case and behind both the forend and keep.

The following points relate to all locks & latches discussed within this section of the Data Sheet:

- Recessing for locks 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 16 mm in diameter.
- The spindle hole may be increased to a maximum of 25 mm in diameter where the lock case is protected with a minimum 1 mm thickness of intumescent sheet material.
- 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 oval profile cylinders is not permitted
- The use of lever action locks is permitted subject to a minimum operational recess being utilised.

## **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. Building Regulations may identify locations within domestic buildings where self-closing devices are not mandatory. Note: closers with mechanical hold-open mechanisms are not permitted to be used.

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 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.

Uninsulated Glass shall not exceed 20% of the overall door leaf area and shall not be included directly below the body of surface mounted overhead closers.

#### **12a Surface mounted overhead closers**

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

#### **12b Transom Mounted and Concealed Closers**

Not permitted

#### **12c Floor Springs**

Double-acting door assemblies are to be fitted with a CERTIFIRE approved floor spring and associated hardware and intumescent protection.

#### **12d Jamb mounted Door Springs**

The Perko (R1/R2) or Perkomatic (R85), Carlisle Brass AA45, Ian Firth Hardware 'IFN13-02' and Astra 3000 series jamb mounted door springs may be used in accordance with the guidance stated within Approved Document B as follows:

- May be used on doors within a dwellinghouse, excluding doors between a dwellinghouse and an integral garage.
- May be used on doors within flats, **excluding flat entrance doors**.
- May be used on doors to cupboards and service ducts which are normally kept locked.
- All other fire doors should be fitted with a self-closing device as previously stated.
- The use of Perko (R1/R2) or Perkomatic (R85), Carlisle Brass AA45, Ian Firth Hardware IFN13-02 and Astra 3000 series jamb mounted door springs is 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 door springs are 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.
- IFN13-02 door springs are to include 1.8 mm thick Fire Force ISM 200 graphite intumescent protection.
- Astra 3000 series door springs are to include 94 mm by 250 mm by 1 mm thick Mono Ammonium Phosphate intumescent, wrapped around the door spring body and a 30 mm diameter by 2.5 mm thick graphite end disk (provided with an 8 mm diameter hole to go over the adjustment screw)

### **13. Ancillary items**

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

#### **13a 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 1500 mm from the threshold. The viewer should have an external diameter of not greater than 15 mm be tightly fitted within the leaf.

The aperture provided for the installation of the viewer should be lined with 1 mm thick Interdens or Graphite intumescent sheet material.

### **13b Protection Plates**

Surface mounted plastic, laminate, steel, aluminium or brass plates may be installed on one or both faces on the basis that they are:

- Maximum 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 within 50 mm of each corner and no closer than 250 mm spacing on height and width

### **13c. 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.

### **13d Air Transfer Grilles**

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

Where apertures are pre-cut by Premdor Crosby Limited, or a CERTIFIRE approved Licensed Door Processor, please note that Apertures for Air Transfer Grilles are to be lined with hardwood with a minimum thickness of 6 mm.

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 Dropseals**

Door assemblies may be fitted with the following drop seals mortised into the lower edge of the door leaf

- Norsound 810 auto drop down seal
- Norsound 811 auto drop down seal
- Halspan Dropseal Ref: SLS DRP-100

- Exitex Concealex A8100
- Exitex Concealex A8100 Superior
- Exitex Concealex Superior Variseal
- Exitex Concealex Chronoseal
- Fire And Acoustic Seals FAS45

### 13f 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 fixings are of steel and maximum bolt to bolt centres do not exceed 1000 mm.

A maximum 15 mm diameter recess is permitted for through bolt fixings.

Bolt through fixings will require intumescent protection in the form of a 1 mm thick graphite tube, or Intumescent mastic to the full depth of the recess.

### 13g. Flush Bolts

Steel Flushbolts	
Max. dimension of flush bolt	150 mm high x 19 mm x 2.6 mm thick face plate with a 35 mm returned top edge 15 mm deep (fitted into 25 mm deep rebate)
Material:	Steel
Position:	Top and bottom on door edge
Intumescent: protection*	1 mm Intumescent sheet at base of rebate
Meeting edge intumescent	Intumescent seals shall be fitted to the meeting edge of the active door leaf only, such that the fitment of flushbolts does not interrupt the intumescent seals

Zinc Alloy Flushbolts	
Max. flushbolt dimension:	152 mm high x 20 mm deep x 19 mm wide
Max. keep dimension:	Maximum 18 mm wide by 32 mm
Material:	Zinc alloy
Position:	Top and bottom on door edge
Intumescent: protection:	2 mm thick Graphite intumescent sheet material to base of bolt body & beneath keep
Meeting edge intumescent	2No. 10 mm wide by 4 mm thick Lorient Type 617 intumescents positioned centrally within the lock edge of the primary leaf, positioned 8 mm apart.

### 13h. 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

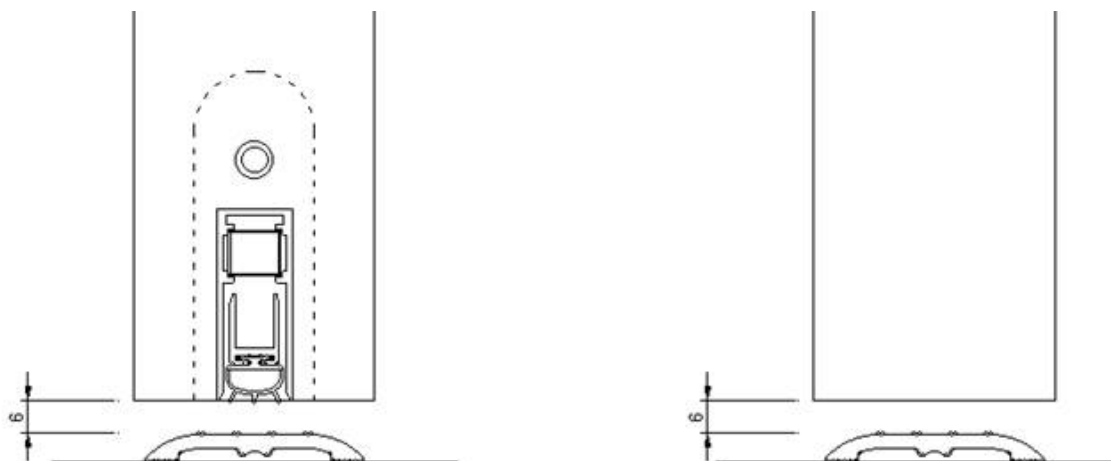
### 13i. Thresholds

Door assemblies may incorporate Metal or hardwood thresholds as detailed below:

#### FD30 – Metal Thresholds – With or Without Dropseals

Metal thresholds may be utilised with or without dropseals in accordance with the CERTIFIRE certificate of approval for the door assembly and the specification requirements below:

- Mild steel / Stainless steel / Aluminium.
- Maximum dimensions 40 mm wide by 6 mm high.
- Domed (unrebated) profile only.
- Maximum 6 mm gap from the underside of the door to the top of the threshold strip.

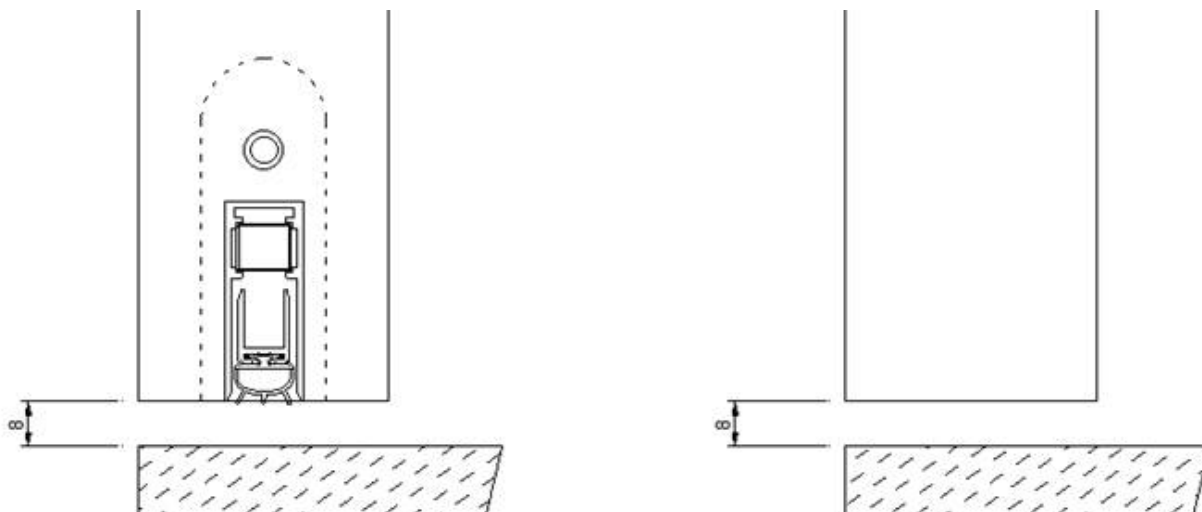


#### FD30 – Hardwood Thresholds – With or Without Dropseals

Hardwood thresholds may be utilised with or without dropseals in accordance with the CERTIFIRE certificate of approval for the door assembly and the specification requirements below:

- Hardwood of minimum density 640kg/m<sup>3</sup> (excluding Ash, Beech & Iroko).
- Minimum dimensions 77 mm wide by 14 mm high.
- Plain (unrebated) profile only, with option for pencil round top corners.
- Maximum 8 mm gap from the underside of the door to the top of the threshold.





### 13j. Door Sensors

Door assemblies may include surface mounted and flush mounted contacts to the top edge of door leaves / frame heads in accordance with the following:

<b>Surface mounted Contacts</b>	
Reference:	CQR Fire and Security - SC517
Magnet Housing:	65 mm high by 14 mm deep by 13 mm thick
Wiring Housing:	65 mm high by 10 mm deep by 13 mm thick
Fixings:	2No. 2.9 mm Ø by 13 mm minimum, stainless steel countersunk screws per section
Intumescent Protection:	None required

<b>Flush mounted Contacts</b>		
Reference:	CQR Fire and Security - FC505	
Faceplate:	36 mm long by 25 mm wide by 1.7 mm thick	
Magnet Housing:	20 mm Ø by 16 mm high	
Wiring Housing:	20 mm Ø by 14 mm high	
Fixings:	2No. 2.9 mm Ø by 13 mm minimum, stainless steel countersunk screws per section	
Intumescent Protection:	Door:	1 mm thick by 15 mm wide Interdens intumescent sheet material wrapped around the magnet housing component
	Frame Head:	1 mm thick by 25 mm wide Interdens intumescent sheet material wrapped around the wiring housing component.
Cable Way:	Maximum 8 mm diameter hole extending from the component recess to the back of the frame head.	

### **13k. Electric Strikes / Electromechanical locks**

Not permitted

### **13l. Edge Protectors**

Not permitted

## **14 Further Information**

Further information regarding the details contained in this data sheet may be obtained from Premdor Crosby Limited (Tel: 01226 383434).

Further information regarding the CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).