CERTIFICATE OF APPROVAL
No CF 625

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

PREMDOR CROSBY LIMITED

Huddersfield Road, Darton, Barnsley, S75 5JS
Tel: 01226 383434 Fax: 01226 388808

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	TECHNICAL SCHEDULE
Premdor Crosby Limited FD30 PremCORE Lite (L)	TS10 Fire Resisting Door Assemblies with Non Metallic Leaves

Signed and sealed for and on behalf of CERTIFIRE

Sir Ken Knight
Chairman - Management Council

Issued: 1st September 2008
Reissued: 26th June 2013
Valid to: 25th June 2018

CERTIFICATE No CF 625
PREMDOR CROSBY LIMITED

PREMDOR CROSBY LIMITED - FD30 PremCORE Lite (L)

1. This approval relates to the use of the above doorsets 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 doorsets when used in accordance with the provisions therein.

2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section 2 of the Technical Standards (Scotland), Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.

3. The doors are approved on the basis of:

   i) Initial type testing
   ii) Audit testing at the frequency specified in TS10
   iii) A design appraisal against TS10
   iv) Certification of quality management system to BS EN ISO 9001: 2008
   v) Inspection and surveillance of factory production control

4. The doorsets comprise door leaves with a chipboard core, for use with timber frames (code ITT FD30).

5. This approval is applicable to both complete doorsets and door leaves. Where the door is not supplied in a completely fitted form it is a condition of this approval that an agreed data sheet accompanies the product and is complied with in its entirety.

6. This approval is applicable to single and double-acting, single and double-leaf, latched and unlatched ITT doorsets at leaf dimensions up to those given in Table 1 and Figure 1.

7. Hardware items, including closing devices and intumescent edge seals, shall be CERTIFIRE approved or otherwise as specified in the data sheet.

8. The doorsets shall be mechanically fixed to wall constructions having a fire resistance of at least 30 minutes.

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PREMDOR CROSBY LIMITED - FD30 PremCORE Lite (L)

Configuration (latched or unlatched)	Maximum Height (mm)	Maximum Width (mm)	Maximum Area (m^2)
Single-acting ,Single-leaf	2126	981	2.0
	1981	1010	2.0
Single-acting, Double-leaf	2126	981	2.0
	1981	1010	2.0
Double-acting, Single-leaf	2126	981	2.0
	1981	1010	2.0
Double-acting, Double-leaf,	2126	981	2.0
	1981	1010	2.0

Table 1. Maximum Permitted Door Leaf Dimensions

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

9. Labels to the BWF/CERTIFIRE design referencing Premdor Crosby Limited, CERTIFIRE and CERTIFIRE Ref. No. CF625 and FD30 fire 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.

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'PREMDOR CROSBY LIMITED FD30 PremCORE Lite (L) – CF625
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 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 5588 for FD 30 doorsets 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 British Woodworking Federation - CERTIFIRE scheme. This label uniquely identifies the door leaf, the manufacture of which complies with BS: ISO 9001 for quality systems 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 doorsets at leaf dimensions up to those given in Figure 1. Double-leaf doorsets 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.

Configuration (latched or unlatched)	Maximum Height (mm)	Maximum Width (mm)	Maximum Area (m^2)
Single-acting ,Single-leaf	2126	981	2.0
	1981	1010	2.0
Single-acting, Double-leaf	2126	981	2.0
	1981	1010	2.0
Double-acting, Single-leaf	2126	981	2.0
	1981	1010	2.0
Double-acting, Double-leaf,	2126	981	2.0
	1981	1010	2.0

3. Door Frame

To be any of the following:-

Softwood or Hardwood	i) Density:	450 kg/m^3 minimum.
	ii) Dimensions:	70 mm by 28 mm minimum.
	iii) Door Stop:	any size - pinned, screwed, tongue and grooved or rebated from solid
Medium Density Fibreboard	i) Density:	700 kg/m^3 min.
	ii) Dimensions:	70 mm by 28 mm min.
	iii) Door Stop:	any size -deep pinned, screwed, tongue and grooved or rebated from solid
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 8 mm is permitted and 3.5 mm at the meeting stiles of double-leaf doorsets

Alternative Framing - Speed Set Framing System

The 'Speed Set' system comprises sixteen polypropylene clips, eight on one face and eight 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.

4. 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 at least 4 points on each leg of the frame with steel fixings at a maximum 600mm centres.

5. 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 50 mm. Architraves are optional with no restrictions on material, size or fixing. Doorsets shall be installed as stated in BS 8214 : 1990, Table 2.

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 **(note: 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

Note that the maximum door to frame and door to threshold gaps specified shall not be exceeded. The door edge fitted with the BWF-CERTIFIRE label may only be trimmed in such a way that the CERTIFIRE label remains in place and intact since removal of the label will invalidate the certification. Care must also be taken to ensure glazed aperture margins (100 mm between apertures and leaf edge) are maintained.

Door to frame gaps:	Not to exceed 4 mm except at threshold where up to 10 mm is permitted. Meeting stile gap not to exceed 3.5 mm

6. Glazed Apertures

All apertures to be factory prepared by Premdor Crosby Limited. **No site cutting of apertures permitted.**

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):

The maximum size and maximum total area of glazing per leaf is 1800 mm high and 812 mm wide (subject to a maximum area of 1.34 m^2).

Separation:	100 mm between apertures and leaf edge, 80 mm between apertures
Number of apertures:	Any number of apertures may be included providing the maximum area constraints and the minimum separation requirements are satisfied. In double-leaf doorsets, each leaf must be similarly glazed.

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^3), with 'planted on' beads of similar size and density forming a ladder frame. Ladder beads to incorporate a 'Therm-a-strip' intumescent between bead and glass.

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

7. **Intumescent Seals** - CERTIFIRE approved Intumescent seals are required to be fitted to these doors.

Doorset Configuration	Position	Required Sizes of Lorient Type 617 Intumescent Seals (Other seal types, of the same dimensions, may be acceptable for single-acting, single-leaf doorsets only – subject to the conditions given in the relevant seal CERTIFIRE approval)
Single-acting, single-leaf	Head	1 off. 15 mm by 4 mm thick
Single-acting, double-leaf Double-acting, single leaf	Vertical edges	1 off. 15 mm by 4 mm thick
Double-acting, double-leaf	Meeting edges (double-leaf doors only)	2 off. 10 mm by 4 mm thick or 1off. 20 mm by 4 mm thick. For square meeting edges strips may be positioned within one leaf or there may be one strip in each leaf. For the latter case, strips should be positioned within the leaves such that they are not opposing. for rebated edges one strip positioned in the rebate to each leaf.

(1) All seals exposed unless stated.
For sizes of other CERTIFIRE approval seals, refer to the relevant CERTIFIRE approval
* Including PVC sheaf within nominal dimensions.

Seals may be fitted into door leaf or frame unless specifically stated otherwise

Note: Alternative seals may be utilised in line with the relevant CERTIFIRE approval for the proposed intumescent seal. All seals to be CERTIFIRE approved (to Technical Schedule 35).

For sizes of other CERTIFIRE approval seals, refer to the relevant CERTIFIRE approval. All dimensions including PVC sheaf within nominal dimensions.

8. **Hinges**

Hinges shall be CE marked for use on fire resisting timber doors, in addition to the specifications below:

Number:	3 hinges per leaf	
Type:	Steel, Phosphor bronze or brass butt, journal supported and fixed pin. Any washers or ball bearings to be of phosphor bronze or steel.	
Positions:	**Upper Hinge:** 200 mm (-0mm/+50 mm) from top edge of leaf **Bottom Hinge:** 200 mm (-50mm/+75mm) from bottom edge of leaf **Middle Hinge:** may be positioned at any position from mid-height of door to a minimum of 200 mm from top hinge position	
Dimensions:	i) Blade height:	100 mm (+20 - 10 mm)
	ii) Blade width:	35 mm (± 3 mm)
	iii) Blade thickness:	3 mm (± 0.5 mm)
	iv) Knuckle dia.:	13 mm (± 1 mm)
Fixings:	4 No. steel screws (min.) no smaller than No.8 by 32 mm long	

Any other CERTIFIRE approved hinges subject to the conditions contained within the relevant certificate.

9. Locks/Latches

Where fitted, locks/latches shall be CE marked for use on fire resisting timber doors, in addition to the specification below:

Mortice type, automatic (sprung) latch bolt, cylinder rim night latches and knobsets.

Max. case dimensions:	165 mm by 98 mm by 19 mm, bedded on intumescent mastic.
Max. forend dimensions:	235 mm long by 25 mm wide, bedded on intumescent mastic.
Latch bolt material:	Steel/brass

Intumescent door edge seals may be fully interrupted by the forend or keep of the lock/latch.

No restriction on type and material of handles. Rebated components should be bedded on intumescent mastic.

10. Self Closing Devices

All unlatched doorsets shall be fitted with a face fixed surface mounted or concealed overhead door closer. Not essential for fire performance if the doorset incorporates a latch and the leaf is in the closed and fully latched position. A self-closing device may however be required to be fitted to satisfy fire regulations and if fitted shall be a CERTIFIRE approved product. **Note: closers with mechanical hold-open mechanisms are not permitted to** be used.

Double-acting doorsets are to be fitted with a CERTIFIRE approved floor spring and associated hardware (Top Pivot) (bedded on 2 mm thick Interdens sheet).

Perko (R1/R2), Perkomatic (R85), AA45, AA45CP and 'IFN13-02' jamb mounted closers 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.

[1] Note: use of Perko (R1/R2), Perkomatic (R85), AA45, AA45CP and IFN13-02 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.

[2] Note: IFN13-02 closers are to include 1.8 mm thick Fire Force ISM 200 graphite intumescent protection.

11. Protection Plates

Plates of steel, brass, aluminium, PVC and laminates may be installed on one or both faces of the proposed door leaves using thermo-softening adhesive. Additional screws may be used within 50 mm of each corner and no closer than 250 mm spacing on height and width. They are not to be installed onto the stop side of the door leaf such that they are between the leaf and the stop.

Protection plates may be fitted in line with the following parameters:

Kick / Trolley plates:	up to 1000 mm high
Push plates:	not to exceed door height by 200 mm wide located on the leading edge of the leaf
Mid plates:	may be fitted up to 300 mm high

12. Letter Plates

Where letter plates are fitted, they must 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 doorset.

13. Air Transfer Grilles

Where air transfer grilles are fitted, they must 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. **No site cutting of apertures permitted.** 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 doorset.

14. 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 form 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 intumescent mastic.

15. 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).

Further information regarding BWF labelling requirements can be obtained from the British Woodworking Federation (Tel: 0870 458 6939).

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^3), with 'planted on' beads of similar size and density forming a ladder frame. Ladder beads to incorporate a 'Therm-a-strip' intumescent between bead and glass.

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

6. Hardware/Intumescent Seals

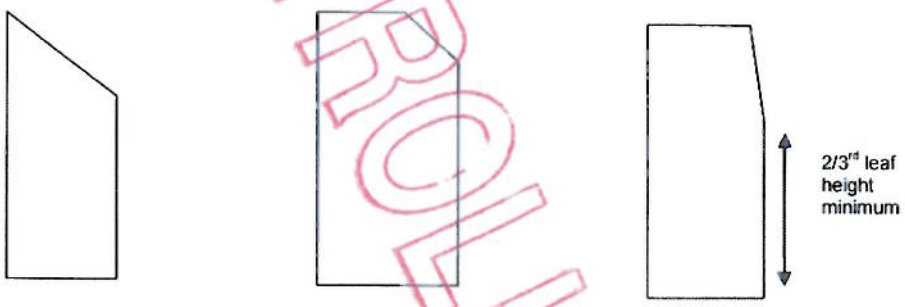
To be CERTIFIRE approved or otherwise as specified in the Data Sheet.

7. Raked Head Doors

Doorsets may incorporate splays to the top leading edge corner, to the following specification:

- Splays may only be to the leading edge corner of the door leaf. Splays to the top hinges edge corner are not permitted.
- Lipped vertical leading edge of more may be no smaller than 2/3rd's height of the hinged vertical leaf edge
- Splay may be at any angle
- Splay may be from top hinged edge corner
- Splayed edge may be lipped or unlipped.

Diagrammatic details of typical splayed door leaf designs are given below:



8. Labels

Labels of the BWF design referencing Premdor Crosby Limited, CERTIFIRE CF625 and FD30 fire resistance, to be applied to each approved door leaf in the prescribed position.