CERTIFICATE OF APPROVAL
No CF 302

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, Yorkshire, S75 5JS
Tel: 01226 383434 Fax: 01226 384955

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
FD60 Flush Flax Door Assemblies	**TS10 Fire Resisting Door Assemblies with Non Metallic Leaves**

Signed and sealed for and on behalf of CERTIFIRE

Sir Ken Knight
Chairman
WCL Impartiality Committee

Paul Duggan
Certification Manager
Warrington Certification Ltd

Issued: 24th January 2003
Revised: 26th April 2016
Valid to: 4th February 2019

CERTIFICATE No CF 302
PREMDOR CROSBY LIMITED

PREMDOR CROSBY LIMITED FD60 TIMBER DOOR ASSEMBLIES

1. This approval relates to the use of the above doorsets in providing fire resistance of 60 minutes insulation and 60 minutes integrity as defined in BS 476: Part 22: 1987. Subject to the undermentioned conditions, the doors will meet the relevant requirements of BS 5588 for FD60 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 ISO 9001: 2008.
   v) Inspection and surveillance of factory production control

4. The doorsets comprise door leaves of panels within a softwood internal perimeter frame, for use with timber frames, with intumescent edge seals (code ITT FD60).

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-acting, single-leaf, latched and unlatched ITT doorsets at leaf dimensions up to those given in and Table 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 60 minutes.

9. Labels to the BWF/CERTIFIRE design referencing Premdor Crosby Limited, CERTIFIRE and CERTIFIRE Ref. No. CF302 and FD60 fire resistance shall be affixed to each door in the prescribed position.

10. The approval relates to on-going production. Product and/or its immediate packaging is identified with the manufacturers' name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

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PREMDOR CROSBY LIMITED FD60 TIMBER DOOR ASSEMBLIES

Configuration	Maximum Height (mm)	Maximum Width (mm)	Maximum Area (m^2)
Single-Acting, Single-Leaf (latched/unlatched)	2040	926	1.89

Table 1 . Maximum Permitted Door Leaf Dimensions
(Single-Acting, Single-Leaf, Latched and Unlatched)

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CF 302 DATA SHEET

1. General

This door leaf has been fire tested and is certified by CERTIFIRE reference CF302 as being capable of providing fire resistance of 60 minutes integrity and insulation 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 60 doorsets when used in accordance with the provisions therein.

In recognition of this, the leaf carries a prefixed label on the top 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 9000 for quality systems and is subject to on-going surveillance. **This label must 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

This leaf may be used in single-acting, single-leaf, latched and unlatched ITT doorsets, at leaf dimensions up to those given in Table 1.

Configuration	Maximum Height (mm)	Maximum Width (mm)	Maximum Area (m^2)
Single-Acting, Single-Leaf (latched/unlatched)	2040	926	1.89

Table 1 . Maximum Permitted Door Leaf Dimensions
(Single-Acting, Single-Leaf, Latched and Unlatched)

3. Door Frame

Material:	Hardwood (excluding Beech)
Density:	600 Kg/m³ (minimum)
Section size:	Minimum 90 mm by 57 mm including minimum 24 mm stop. The stop may be machined from solid timber, glued and pinned or pinned only using 40 mm long steel pins.
Jointing:	Mortice and tenon or half lapped joint with the head fixed to the jambs with two steel fixings.
Door to frame gaps:	Not to exceed 3 mm except at threshold where up to 10 mm is permitted

4. Supporting Construction

The door assemblies are approved to be installed in brick, block, masonry or timber stud of minimum thickness 90 mm, providing at least 60 minutes fire resistance.

Doorsets may be installed within steel stud partition supporting constructions.

- The steel studs supporting the door frame must have adequate timber bracing to ensure that they are stable in a fire.
- The steel stud 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 hardwood which shall be continuous and of minimum width, 85 mm. Each door frame jamb to be fixed through to the wall at not less than four points with steel or nylon frame fixings screwed and plugged at maximum 600mm centres and penetrating the wall to at least 50 mm. Architrave is optional with no restrictions on material, size or fixing.

Door leaves may be trimmed to fit the frame by the following maximum amounts:

Stiles (each)	3 mm
Top	3 mm
Bottom	5 mm

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 BWF-CERTIFIRE label be trimmed since removal of the label will invalidate the certification.

Fitting to be carried out in accordance with BS 8214: 1990, Table 3.

6. Glazed Apertures

Glazed apertures are not approved for use with these doorsets.

7. Intumescent Seals

Position: Within the centre of the reveal of the head and both jambs or centrally in head and stiles of door leaf.

Doorset Configuration	Position	Required Intumescent Protection
Single-Acting Single-Leaf	Head	A single 20 mm wide by 4 mm thick Lorient Polyproducts Ltd 2004/SA or 2off. 15 mm by 4 mm ISL Therm-a-seal (as approved in CERTIFIRE certificate CF387)
	Vertical edges	A single 20 mm wide by 4 mm thick Lorient Polyproducts Ltd 2004/SA or 2off. 15 mm by 4 mm ISL Therm-a-seal (as approved in CERTIFIRE certificate CF387)

Seals may be substituted with equivalent CERTIFIRE approved seals subject to conditions contained in the relevant approval.

Seals may be interrupted at the hinge and latch positions.

8. Hinges

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

Number: 3 No. per leaf

Type: Steel butt, journal supported fixed or loose pin. Any washers or ball bearings to be of steel.

Position:
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) Height: 100 mm
ii) Blade width: 30 mm
iii) Thickness: 3 mm
iv) Knuckle dia.: 10 - 12 mm

Fixings: Steel screws, minimum 4 No. and no smaller than No. 8 by 32 mm long.

Intumescent protection: Must be bedded on 2 mm Interdens sheet

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

9. Latches

Where fitted, locks/latches shall be CE marked for use on fire resisting timber doors in addition to the specification below.
Tubular latches or locks or latches, with forends up to 58mm long or 25mm wide, and case dimensions up to 22mm x 14.5mm, the forend must be bedded on 2mm thick intumescent sheet.
Locks or latches, with forends up to 236mm long or 25mm wide, and case dimensions up to 165mm x 89mm x 19mm thick, the lock case must be protected with 2mm thick intumescent sheet.
There is no restriction on the type and materials of the handles.

Intumescent seals in the frame or door leaf may be fully interrupted by the keep and or forend.

Any other CERTIFIRE approved locks/latches may also be fitted subject to the conditions contained within the relevant certificate.

10. Overhead Closers

All unlatched doorsets shall be fitted with a door closer covered by a CERTIFIRE certificate. Closers are 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 is however 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.**

11. 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: 0844 209 2610).