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## CERTIFICATE OF APPROVAL

### No CF 241

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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

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:

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#### CERTIFIED PRODUCT

Premdor Crosby Limited  
FD60 PremCORE Flush &  
FD60 Moulded Face  
ITT Timber Door Blanks

#### TECHNICAL SCHEDULE

TS10 Fire Resisting Door  
Assemblies with Non  
Metallic Leaves

Signed and sealed for and on behalf of Exova (UK) Limited trading as  
Warrington Certification



Sir Ken Knight  
Chairman  
Impartiality Committee



Paul Duggan  
Certification Manager



Issued: 5<sup>th</sup> September 2000  
Reissued: 25<sup>th</sup> January 2017  
Valid to: 24<sup>th</sup> January 2022

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## CERTIFICATE No CF 241

### PREMDOR CROSBY LIMITED

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#### PREMDOR CROSBY LIMITED – FD60 PremCORE Flush & FD60 Moulded Face

This approval relates to the use of the above doors in providing fire resistance of 60 minutes insulation (if incorporating not more than 20% of uninsulating glass) and 60 minutes integrity as defined in BS 476: Part 22: 1987. Subject to the undermentioned conditions, the doors would be expected to meet the relevant requirements of BS 9999 for FD60 door assemblies when used in accordance with the provisions therein.

1. This certificate is designed specifically to demonstrate compliance of the product or system with Approved Document B (England and Wales); the Technical Handbooks (Scotland); Technical Booklet E (N. Ireland). If compliance is required with other regulatory or guidance documents there may be additional considerations or conflicts to be taken into account.
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 door assemblies comprise of cellulosic cored leaves in various finishes for use with timber frames with intumescent edge seals (ITT FD60).
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 and Table 2 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.

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**PREMDOR CROSBY LIMITED – FD60 PremCORE Flush & FD60 Moulded Face**

**Table 1 – FD60 PremCORE Flush**

| Door assembly configuration                       | Frame material | Max. Height (mm)      | Max. Width (mm)       | Area (m <sup>2</sup> ) |
|---|----------------|-----------------------|-----------------------|------------------------|
| Single-Acting, Single-Leaf<br>Latched / Unlatched | Hardwood Frame | 2305<br>(at 915 wide) | 988<br>(at 2135 high) | 2.11                   |
| Single-Acting, Double-Leaf<br>Latched / Unlatched | Hardwood Frame | 2246<br>(at 826 wide) | 908<br>(at 2042 high) | 1.86                   |
| Double-Acting, Single-Leaf<br>Latched / Unlatched | Hardwood Frame | 2040<br>(at 826 wide) | 826<br>(at 2040 high) | 1.69                   |
| Double-Acting, Double-Leaf<br>Latched / Unlatched | Hardwood Frame | 2040<br>(at 826 wide) | 826<br>(at 2040 high) | 1.69                   |
| Single-Acting, Single-Leaf<br>Latched / Unlatched | MDF Frame      | 2135<br>(at 926 wide) | 926<br>(at 2135 high) | 1.98                   |

**Table 2 – FD60 Moulded face**

| Door assembly configuration                       | Frame material | Max. Height (mm)      | Max. Width (mm)       | Area (m <sup>2</sup> ) |
|---|----------------|-----------------------|-----------------------|------------------------|
| Single-Acting, Single-Leaf<br>Latched / Unlatched | Hardwood Frame | 2040<br>(at 926 wide) | 926<br>(at 2040 high) | 1.89                   |
| Double-Acting, Single-Leaf<br>Latched / Unlatched | Hardwood Frame | 2040<br>(at 926 wide) | 926<br>(at 2040 high) | 1.69                   |
| Single-Acting, Single-Leaf<br>Latched / Unlatched | MDF Frame      | 2040<br>(at 926 wide) | 926<br>(at 2040 high) | 1.89                   |

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

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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 60 minutes.
9. Labels to the CERTIFIRE design, or approved by CERTIFIRE, referencing CERTIFIRE and CERTIFIRE Ref. No. CF 241 and FD60 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 or name and mark, together with the CERTIFIRE certificate number and application when appropriate.

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E/114



Issued: 5<sup>th</sup> September 2000  
Reissued: 24<sup>th</sup> January 2017  
Valid to: 23<sup>rd</sup> January 2022

## CF 241 DATA SHEET

### 1. General

This door leaf has been fire tested and is certified by CERTIFIRE as being capable of providing fire resistance of 60 minutes integrity and 60 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 60 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 approval is applicable to single-action, double-action, single and double-leaf, latched and unlatched, assemblies at leaf dimensions up to those detailed within Table 1 and Table 2 below.

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.

**Table 1 – FD60 PremCORE Flush**

| Door assembly configuration                       | Frame material    | Max. Height (mm)      | Max. Width (mm)       | Area (m <sup>2</sup> ) |
|---|-------------------|-----------------------|-----------------------|------------------------|
| Single-Acting, Single-Leaf<br>Latched / Unlatched | Hardwood<br>Frame | 2305<br>(at 915 wide) | 988<br>(at 2135 high) | 2.11                   |
| Single-Acting, Double-Leaf<br>Latched / Unlatched | Hardwood<br>Frame | 2246<br>(at 826 wide) | 908<br>(at 2042 high) | 1.86                   |
| Double-Acting, Single-Leaf<br>Latched / Unlatched | Hardwood<br>Frame | 2040<br>(at 826 wide) | 826<br>(at 2040 high) | 1.69                   |
| Double-Acting, Double-Leaf<br>Latched / Unlatched | Hardwood<br>Frame | 2040<br>(at 826 wide) | 826<br>(at 2040 high) | 1.69                   |
| Single-Acting, Single-Leaf<br>Latched / Unlatched | MDF Frame         | 2135<br>(at 926 wide) | 926<br>(at 2135 high) | 1.98                   |



**Table 2 – FD60 Moulded face**

| Door assembly configuration                       | Frame material        | Max. Height (mm)      | Max. Width (mm)       | Area (m <sup>2</sup> ) |
|---|-----------------------|-----------------------|-----------------------|------------------------|
| Single-Acting, Single-Leaf<br>Latched / Unlatched | <b>Hardwood Frame</b> | 2040<br>(at 926 wide) | 926<br>(at 2040 high) | 1.89                   |
| Double-Acting, Single-Leaf<br>Latched / Unlatched | <b>Hardwood Frame</b> | 2040<br>(at 926 wide) | 926<br>(at 2040 high) | 1.69                   |
| Single-Acting, Single-Leaf<br>Latched / Unlatched | <b>MDF Frame</b>      | 2040<br>(at 926 wide) | 926<br>(at 2040 high) | 1.89                   |

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

### 3. Door Frame

To be any of the following:-

- |                                 |  |
|---------------------------------|--|
| Hardwood                        | <ul style="list-style-type: none"> <li>i) Density: 550 kg/m<sup>3</sup> min. (<b>excluding Beech</b>)</li> <li>ii) Dimensions: 70 mm by 28 mm min.</li> <li>iii) Door Stop: Any size - pinned, screwed or rebated from solid (min stop density 550 kg/m<sup>3</sup>).</li> </ul> |
| MDF<br>(double acting doorsets) | <ul style="list-style-type: none"> <li>i) Density: 700 kg/m<sup>3</sup> min.</li> <li>ii) Dimensions: 70 mm by 28 mm min.</li> <li>iii) Door Stop: Any size - pinned, screwed or rebated from solid (min stop density 700 kg/m<sup>3</sup>).</li> </ul>                          |
| 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 3 mm except at threshold where up to 8 mm is permitted and 3 mm at the meeting stiles  |

### 4. Overpanels and Sidepanels

Flush overpanels may be included up to a maximum height of 500 mm and shall include 6 mm thick hardwood lippings (minimum) and opposing lipping to the leaf head, or a rebated 18 mm thick (minimum) hardwood lipping with 27 mm wide by 12 mm deep rebate at the bottom edge, with a corresponding 18 mm thick (minimum) hardwood lipping with a 27 mm wide by 12 mm deep rebate in the top edge of the leaf.

Where rebated meeting edges are not incorporated on double-leaf assemblies, timber astragals (min 640kg/m<sup>3</sup>) are required at the junction between the bottom of the overpanel and the top edge of the doors.



Transomed overpanels may be included up to 1000 mm high, with a minimum 28 mm thk transom rail. Overpanels will include an identical intumescent specification to the door leaves

Side panels incorporating a mullion of minimum 28 mm thick may be included up to a maximum width of 1000mm.

Overpanels / sidepanels to be manufactured as per door leaf specification, bedded against beads or the stop of the rebate and be screw fixed at maximum 400 mm centres, maximum 100 mm from each corner through the centre of the panel to a depth of at least 30 mm.

Entire overpanel /sidepanel may be glazed in accordance with Section 5 below.

## **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 and timber stud of minimum thickness 85 mm, providing at least 60 minutes fire resistance.

The door assemblies are also approved to be installed within steel stud partitions as follows:

- 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.

## **7. Installation**

The opening may be lined with hardwood 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.

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.

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
- Bottom: No limit providing lippings are not fitted, 3mm if lippings are fitted



Doors may be fitted with lippings up to 19 mm thick. Where thicker (greater than 6mm) lippings are fitted, leaves may be trimmed on the lipped edges to leave a minimum residual lipping thickness of 3mm.

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.

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.

## 8. Glazed Apertures

All apertures to be factory prepared by Premdor 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: See glazing tables below  
 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> ) |
| 1280<br>(at 438 wide)                      | 438<br>(at 1280 high)                      | 0.56                        |
| 1590<br>(at 195 wide)<br><b>Sight size</b> | 195<br>(at 1590 high)<br><b>Sight size</b> | 0.31<br><b>Sight size</b>   |

Note: for Option 3, aperture dimensions are limited to maximum sight size area of 0.23m<sup>2</sup>. Maximum height of glazed openings for Option 3 doors is 1100 mm.

The following glazing configurations are approved for double-leaf doorsets:

- 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)

**The use of Beech glazing beads is not permitted**













### 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 uninsulated glazing

### 13h. Dropseals

Doorsets may be fitted with the following drop seals mortised into the lower edge of the doorsets referenced above:

- Norsound dropseals: Nor810 / Nor810s / Nor810s+ / Nor810dB+ / Varigroove
- Halspan Dropseal Ref: SLS DRP-100

### 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 Exova (UK) Limited trading as Warrington Certification (Tel: +44 (0) 1925 646777).

