

# CONSTRUCTIONAL SPECIFICATION FOR CERTIFIRE APPROVED CF5926

## **Introduction**

This document specifies constructional and other details for Falcon Panel Products Limited FD30 doorsets manufactured by Falcon Panel Products Limited and certified by CERTIFIRE under certificate No. CF5926. Only doors complying with the details of this document may be marked or marketed as CERTIFIRE approved. Any change to, or deviation from, this specification requires the agreement of CERTIFIRE.

## **General**

CERTIFIRE approval is applicable to complete doorsets. Where the door is not supplied in a fully fitted form it is a condition of approval that an agreed Data sheet accompanies the product and is complied with in its entirety. Failure to do so will render the approval invalid and may jeopardise the fire performance of the doorset.

## **Scope of Approval**

As defined in Certificate of Approval No. CF5926.

### **1.1 Leaf Construction – Stredor 44 EV Ply**

- |       |                        |  |  |
|-------|------------------------|--|--|
| 1.1.1 | Inner core:            | Material:  | Minimum 2.1 mm thick Poplar central inner core.                          |
|       | Outer core:            | Material:  | Minimum 18.8 mm thick Spruce lamels to both sides of central inner core. |
| 1.1.2 | Internal framing:      | No internal framing required   |  |
| 1.1.3 | Constructional facing: | Plywood, minimum 1.8 mm thick to both sides of core.                   |  |
| 1.2.4 | Adhesive:              | Facings:   | MUF  |
|       |                        | Core:  | PVAc or MUF  |
| 1.1.5 | Thickness:             | 44 mm (+ 10 / - 1 mm)  |  |
| 1.1.6 | Density:               | Inner core:  | 510 kg/m <sup>3</sup> min  |
|       |                        | Outer core:  | 480 kg/m <sup>3</sup> min  |
|       |                        | Facing:  | 510 kg/m <sup>3</sup> min  |
| 1.6   | Moisture content:      | The moisture content of all timber based components shall be 9% (±2%). |  |

### **2. Decorative finishes**

Any additional timber veneer to the door leaf faces or paint finish to the door leaf faces and edges.

### **3. Lippings**

- |            |   |
|------------|---|
| Material:  | Hardwood (solid only) to all four edges minimum |
| Density:   | 640 kg/m <sup>3</sup> minimum                   |
| Thickness: | 10 mm thick                                     |
| Adhesive:  | Technomelt PUR 270/7G hot melt                  |

**4. Leaf Dimensions**

- 4.1 Leaf thickness: 43 mm +2 mm / -0 mm (excluding finish)  
4.2 Leaf height / width: As specified in Certificate of Approval  
4.3 Configuration: As specified in Certificate of Approval  
4.4 Meeting edges: Not Applicable

**5. Door Frame**

As specified in Data Sheet

**6. Overpanels / Sidepanels**

Not permitted.

**7. Glazed Fanlights**

Not permitted.

**8. Glazed Apertures**

- 8.1 One or more glazed openings systems may be included in each leaf.  
8.2 Apertures – As specified in the Data Sheet.

Maximum Pane Dimensions:	Maximum Pane Size:	984 mm high by 224 mm wide
	Maximum Area Per Pane:	0.22 m <sup>2</sup>
	Maximum Pane Area Per Leaf:	0.36m <sup>2</sup>
Minimum Margins	Minimum 150 mm margin from the perimeter leaf edge Minimum 180 mm margin between apertures	

- 8.3 Glazing System

As specified in Data Sheet.

**9. Hardware/Intumescent Seals**

As specified in Data Sheet

**10. Labels**

- 10.1 Labels of the CERTIFIRE design referencing Falcon Panel Products Limited, and FD30 fire resistance, to be applied to each approved door leaf in the prescribed position