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## CERTIFICATE OF APPROVAL

### No CF 466

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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

## HOLLWAYS DOORS & FRAMES LIMITED

**Bold Street, Sheffield, S9 2LR**  
**Tel: 01142 432424 Fax: 01142 435959**

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

Hollways Doors & Frames Limited  
FD30 Strebord 44  
ITT Timber Door Assemblies

#### 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



Paul Duggan  
Certification Manager



Issued: 19<sup>th</sup> June 2006  
Revised: 7<sup>th</sup> August 2018  
Valid to: 10<sup>th</sup> August 2021  
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## CERTIFICATE No CF 466

# HOLLWAYS DOORS & FRAMES LIMITED

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### Hollways Doors & Frames Limited. FD30 Strebord 44 Timber Door Assemblies

This approval relates to the use of the above doors in providing fire resistance of 30 minutes Insulation (if incorporating not more than 20% of uninsulating glass) and 30 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 FD30 door assemblies when used in accordance with the provisions therein.

1. This certification 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 conflict 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. This approval relates to the use of the above doors in providing fire resistance of 30 minutes insulation and 30 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 FD30 door assemblies when used in accordance with the provisions therein.
4. The doors comprise cellulosic cored leaves in various finishes for use with timber frames, with intumescent edge seals.
5. 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.
6. This approval is applicable to latched and unlatched, single-acting, single and double-leaf, ITT assemblies, at leaf dimensions up to those given in Tables 1, 2, 3 and 4.
7. 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.
8. Hardware items, including closing devices and intumescent fire seals, shall be as specified in the data sheet.
9. Labels to the CERTIFIRE design, or approved by CERTIFIRE, referencing CERTIFIRE and CERTIFIRE Ref. No. CF466 and FD30 classifications resistance shall be affixed to each door in the prescribed position.

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#### Hollways Doors & Frames Limited. FD30 Strebord 44 Timber Door Assemblies

10. The door assembly shall be mechanically fixed to wall constructions having a fire resistance of at least 30 minutes.
11. The 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 where appropriate.

**Table 1. Maximum Permitted Door Leaf Dimensions for Fire Performance**  
Single-Acting, Single and Double-Leaf, Latched and Unlatched  
with Mann McGowan Pyrostrip 100P Intumescents

Door assembly configuration	Max. Height (mm)	Max. Width (mm)	Area (m <sup>2</sup> )
Single-Acting, Single-Leaf Latched / Unlatched 10 x 4 mm intumescent	2187 (at 902 wide)	938 (at 2102 high)	1.97
Single-Acting, Double-Leaf Latched / Unlatched 10 x 4 mm intumescent (2No. 10 x 4 mm to meeting edge)	2463 (at 902 wide)	1057 (at 2102 high)	2.22

**Table 2. Maximum Permitted Door Leaf Dimensions for Fire Performance**  
Single-Acting, Single and Double-Leaf, Latched and Unlatched  
with Lorient Type 617 or 100P Intumescents

Door assembly configuration	Max. Height (mm)	Max. Width (mm)	Area (m <sup>2</sup> )
Single-Acting, Single-Leaf Latched / Unlatched 10 x 4 mm intumescent	2540 (at 1165 wide)	1165 (at 2540 high)	2.96
Single-Acting, Single-Leaf Latched / Unlatched 15 x 4 mm intumescent	3111 (at 915 wide)	1016 (at 2800 high)	2.85
Single-Acting, Single-Leaf Latched 15 x 4 mm intumescents	2803 (at 1072 wide)	1113 (at 2700 high)	3.00
Single-Acting, Double-Leaf Latched / Unlatched 10 x 4 mm intumescent (2No. 10 x 4 mm to meeting edge)	2600 (at 1152 wide)	1152 (at 2600 high)	3.00
Single-Acting, Double-Leaf Latched / Unlatched 15 x 4 mm intumescent (Single 15 x 4 mm to meeting edge)	2635 (at 999 wide)	1165 (at 2259 high)	2.63

## CERTIFICATE No CF 466 HOLLWAYS DOORS & FRAMES LIMITED

**Hollways Doors & Frames Limited. FD30 Strebord 44 Timber Door Assemblies**

**Table 3. Maximum Permitted Door Leaf Dimensions for Fire Performance**  
Single-Acting, Double-Leaf, Unlatched with 12 mm rebated meeting stiles  
with Lorient Type 617 or 100P Intumescents

Door assembly configuration	Max. Height (mm)	Max. Width (mm)	Area (m <sup>2</sup> )
Single-Acting, Double-Leaf Latched / Unlatched only 20 x 4 mm intumescent to head, 10 x 4 mm intumescent to jambs, (Single 15 x 4 mm to each meeting edge)	2600 (at 1081 wide)	1150 (at 2440 high)	2.81

**Table 4. Maximum Permitted Door Leaf Dimensions for Fire Performance**  
Single-Acting, Single and Double-Leaf, Latched and Unlatched  
with Pyroplex FO8700 Graphite Rigid box seal Intumescents

Door assembly configuration	Max. Height (mm)	Max. Width (mm)	Area (m <sup>2</sup> )
Single-Acting, Single-Leaf Latched / Unlatched 15 x 4 mm intumescent	2195 (at 928 wide)	956 (at 2131 high)	2.04
Single-Acting, Double-Leaf Latched / Unlatched 15 x 4 mm intumescent (Single 15 x 4 mm to meeting edge)	2555 (at 1177 wide)	1177 (at 2555 high)	3.01
Single-Acting, Double-Leaf Latched / Unlatched 15 x 4 mm intumescent (2No. 10 x 4 mm to meeting edge)	2811 (at 915 wide)	1054 (at 2440 high)	2.57
Single-Acting, Double-Leaf Latched / Unlatched 15 x 4 mm intumescent (2No. 15 x 4 mm to meeting edge)	2942 (at 1165 wide)	1165 (at 2942 high)	3.43

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

## CF 466 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 uninsulated 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 FD30 doorsets when used in accordance with the provisions therein.

In recognition of this the leaf carries a prefixed label on the top edge 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 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 Hollways Doors & Frames Limited may be considered to meet the requirements in respect of those items.

### 2. Door Leaf

This approval is applicable to single-action, single and double-leaf, latched and unlatched, assemblies at leaf dimensions up to those detailed within tables 1, 2, 3 and 4 below.

**Table 1. Maximum Permitted Door Leaf Dimensions for Fire Performance**

Single-Acting, Single and Double-Leaf, Latched and Unlatched  
with Mann McGowan Pyrostrip 100P Intumescents

Door assembly configuration	Max. Height (mm)	Max. Width (mm)	Area (m <sup>2</sup> )
Single-Acting, Single-Leaf Latched / Unlatched 10 x 4 mm intumescent	2187 (at 902 wide)	938 (at 2102 high)	1.97
Single-Acting, Double-Leaf Latched / Unlatched 10 x 4 mm intumescent (2No. 10 x 4 mm to meeting edge)	2463 (at 902 wide)	1057 (at 2102 high)	2.22

**Table 2. Maximum Permitted Door Leaf Dimensions for Fire Performance**

Single-Acting, Single and Double-Leaf, Latched and Unlatched  
with Lorient Type 617 or 100P Intumescents

Door assembly configuration	Max. Height (mm)	Max. Width (mm)	Area (m <sup>2</sup> )
Single-Acting, Single-Leaf Latched / Unlatched 10 x 4 mm intumescent	2540 (at 1165 wide)	1165 (at 2540 high)	2.96
Single-Acting, Single-Leaf Latched / Unlatched 15 x 4 mm intumescent	3111 (at 915 wide)	1016 (at 2800 high)	2.85
Single-Acting, Single-Leaf Latched Only 15 x 4 mm intumescents	2803 (at 1072 wide)	1113 (at 2700 high)	3.00
Single-Acting, Double-Leaf Latched / Unlatched 10 x 4 mm intumescent (2No. 10 x 4 mm to meeting edge)	2600 (at 1152 wide)	1152 2600 high) (at	3.00
Single-Acting, Double-Leaf Latched / Unlatched 15 x 4 mm intumescent (Single 15 x 4 mm to meeting edge)	2635 (at 999 wide)	1165 2259 high) (at	2.63



**Table 3. Maximum Permitted Door Leaf Dimensions for Fire Performance**  
 Single-Acting, Double-Leaf, Unlatched with 12 mm rebated meeting stiles  
 with Lorient Type 617 or 100P Intumescent

<b>Door assembly configuration</b>	<b>Max. Height (mm)</b>	<b>Max. Width (mm)</b>	<b>Area (m<sup>2</sup>)</b>
Single-Acting, Double-Leaf Latched / Unlatched only 20 x 4 mm intumescent to head, 10 x 4 mm intumescent to jambs, (Single 15 x 4 mm to each meeting edge)	2600 (at 1081 wide)	1150 (at 2440 high)	2.81

**Table 4. Maximum Permitted Door Leaf Dimensions for Fire Performance**  
 Single-Acting, Single and Double-Leaf, Latched and Unlatched  
 with Pyroplex FO8700 Graphite Rigid box seal Intumescent

<b>Door assembly configuration</b>	<b>Max. Height (mm)</b>	<b>Max. Width (mm)</b>	<b>Area (m<sup>2</sup>)</b>
Single-Acting, Single-Leaf Latched / Unlatched 15 x 4 mm intumescent	2195 (at 928 wide)	956 (at 2131 high)	2.04
Single-Acting, Double-Leaf Latched / Unlatched 15 x 4 mm intumescent (Single 15 x 4 mm to meeting edge)	2555 (at 1177 wide)	1177 (at 2555 high)	3.01
Single-Acting, Double-Leaf Latched / Unlatched 15 x 4 mm intumescent (2No. 10 x 4 mm to meeting edge)	2811 (at 915 wide)	1054 (at 2440 high)	2.57
Single-Acting, Double-Leaf Latched / Unlatched 15 x 4 mm intumescent (2No. 15 x 4 mm to meeting edge)	2942 (at 1165 wide)	1165 (at 2942 high)	3.43

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

### **3. Door Frames**

To be any of the following: -

Softwood or Hardwood:      Density:      440 kg/m<sup>3</sup> min.  
    Dimensions:      70 mm by 32 mm min.  
    Door Stop:      12 mm deep pinned, screwed or rebated from solid

MDF:                                  Density:      750 kg/m<sup>3</sup> min.  
    Dimensions:      70 mm by 30 mm min.  
    Door Stop:      12 mm deep pinned, screwed 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 the threshold where up to 8 mm is permitted and 3.5 mm at the meeting stiles.

### **4. Overpanels**

Flush overpanels may be included up to a maximum height of 600 mm and shall include 9 mm thick hardwood lippings (minimum) and opposing lipping to the leaf head or a rebated 20 mm



thick hardwood lipping with 22 mm wide by 11 mm deep rebate at the bottom edge, with a corresponding 20 mm thick rebated hardwood lipping in the top edge of the leaf. Overpanels shall be lipped on all edges.

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

Door to overpanel meeting edges shall incorporate a 15 mm by 4 mm Lorient intumescent seal in each rebate, or centrally within the leaf / overpanel thickness where a square (non-rebated) door to overpanel meeting edge is adopted.

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

Transomed overpanels may be included up to 1000 mm high, with a minimum 40 mm wide transom rail.

Transomed sidepanels may be included up to 1000 mm wide, with a minimum 40 mm wide mullion rail.

## **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, timber or steel stud of minimum thickness 70mm, providing at least 30 minutes fire resistance. Where stud partitions are used these should be suitably constructed to provide a secure fixing for the door assemblies as recommended by the partition manufacturer

## **7. Installation**

The opening may be lined with softwood or 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 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 3 mm
- Bottom No limit providing bottom lippings are not fitted, 3 mm if bottom lipping is fitted.

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.**

A maximum of 2No. doorsets may be installed with frames back to back in which case a single 25 mm wide by 2 mm thick Palusol 100P intumescent seal shall be recessed into the rear of one of the abutting jambs. Back to back frames jambs are to be screwed from alternate sides at max 300 mm centres.

Back to back frame jambs will be hardwood with a minimum density 440 kg/m<sup>3</sup> with each jamb having a minimum section size of 70 mm wide by 32 mm thick complete with 12 mm thick planted stops.

Alternatively back to back doorsets may include a shared jamb. In this instance the shared jamb will be hardwood with a minimum density 440 kg/m<sup>3</sup> and have a minimum overall section size of 70 mm wide by 64 mm thick complete with 12 mm thick planted stops.

## 8. Glazed Apertures

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

Aperture dimensions: Doors may incorporate one of more vision panels to the maximum sizes identified in the table below:

Area: Maximum total glazed area of 1.51 m<sup>2</sup> per leaf

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

Maximum Permitted Aperture Dimension		
Max. Height (mm)	Max. Width (mm)	Max. Area (m <sup>2</sup> )
2085 (at 725 wide)	822 (at 1840 high)	1.51

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

**Non-insulating glasses:** 6 mm Pyroshield 2 Safety glass or other CERTIFIRE approved glass subject to the conditions of the glass certificate.

Intumescent System	Bead Dimensions	Bead Density	Fixings	Max. Height (mm)	Max. Width (mm)	Max. Area (m <sup>2</sup> )
Sealmaster Fireglaze 30, wet glaze system forming a 2 mm thick by 15 mm high seal around the glass – glazing aperture liner not required	22 mm high by 19 mm wide with a 5.5 mm deep bolection and a 45° splay.  (10 mm +2/-1 mm edge cover)	Hardwood min 650 kg/m <sup>3</sup>	40 mm long by No. 8 steel screws at max 150 mm centres and max 75 mm in from each corner. Screws positioned 25° to the vertical	2085 (at 725 wide)	822 (at 1840 high)	1.51

Doors 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 in this certificate (whichever is smaller):





## 9. Recessed solid panels

All apertures to be factory prepared by Hollways Doors and Frames Limited. No site cutting of apertures permitted as this will invalidate the certification.

- Aperture dimensions: Doors may incorporate one or more recessed solid panels to the maximum sizes identified in the table below:
- Area: Maximum total recessed solid panel area of 1.33 m<sup>2</sup> per leaf
- Margins: 100 mm from the top and vertical edges, 200 mm to the bottom edge of the door leaf, 180 mm between solid recessed panel apertures.
- Panel Specification: 44 mm thick Strebord blank recessed to a maximum depth of 10 mm both faces\*, leaving a minimum thickness of 23 mm. Recess faced with 3 mm MDF to both sides bonded with PVA adhesive. Decorative timber beads are optional.
- \* Both faces must be recessed equally.

Maximum Permitted recessed solid panel Dimensions		
Max. Height (mm)	Max. Width (mm)	Max. Area (m <sup>2</sup> )
1831 (at 728 wide)	728 (at 1831 high)	1.33

## 10. Intumescent Seals

CERTIFIRE certificated intumescent seals are required to be fitted to these doors as below.

**For door assemblies to BS 476: Part 22 – classified as FD30**

**Mann McGowan Pyrostrip 100P intumescent Seals – See Table 1 for size restrictions**

Doorset Configuration	Position	Intumescent Specification
Single-Acting, Single-Leaf Latched / Unlatched	Head	Single 10 mm wide by 4 mm thick
	Vertical Edges	Single 10 mm wide by 4 mm thick
Single-Acting, Double-Leaf Latched / Unlatched	Head	Single 10 mm wide by 4 mm thick
	Hanging Edges	Single 10 mm wide by 4 mm thick
	Meeting Edges	Single 10 mm wide by 4 mm thick fitted centrally in both leaves.



**Lorient Type 617 or 100P intumescent Seals – See Tables 2 & 3 for size restrictions**

<b>Doorset Configuration</b>	<b>Position</b>	<b>Intumescent Specification</b>
Single-Acting, Single-Leaf Latched / Unlatched	Head	Single 10 mm wide by 4 mm thick
	Vertical Edges	Single 10 mm wide by 4 mm thick
Single-Acting, Single-Leaf Latched / Unlatched	Head	Single 15 mm wide by 4 mm thick
	Vertical Edges	Single 15 mm wide by 4 mm thick
Single-Acting, Single-Leaf Latched Only	Head	Single 15 mm wide by 4 mm thick
	Vertical Edges	Single 15 mm wide by 4 mm thick
Single-Acting, Double-Leaf Latched / Unlatched	Head	Single 10 mm wide by 4 mm thick
	Hanging Edges	Single 10 mm wide by 4 mm thick
	Meeting Edges	2No. 10 mm wide by 4 mm thick, positioned centrally, 12 mm apart, to primary leaf only
Single-Acting, Double-Leaf Unlatched Only – with 12 mm rebated meeting stiles.	Head	Single 20 mm wide by 4 mm thick
	Hanging Edges	Single 10 mm wide by 4 mm thick
	Meeting Edges	Single 15 mm wide by 4 mm thick fitted in both meeting edges.

**Pyroplex FO8700 Graphite Rigid box intumescent Seals – See Table 4 for size restrictions**

<b>Doorset Configuration</b>	<b>Position</b>	<b>Intumescent Specification</b>
Single-Acting, Single-Leaf Latched / Unlatched	Head	Single 15 mm wide by 4 mm thick
	Vertical Edges	Single 15 mm wide by 4 mm thick
Single-Acting, Double-Leaf Latched / Unlatched	Head	Single 15 mm wide by 4 mm thick
	Hanging Edges	Single 15 mm wide by 4 mm thick
	Meeting Edges	Single 15 mm wide by 4 mm thick, positioned centrally, to the primary leaf only
Single-Acting, Double-Leaf Latched / Unlatched	Head	Single 10 mm wide by 4 mm thick
	Hanging Edges	Single 10 mm wide by 4 mm thick
	Meeting Edges	2No. 10 mm wide by 4 mm thick, positioned centrally, 10 mm apart, to primary leaf only
Single-Acting, Double-Leaf Latched / Unlatched	Head	Single 15 mm wide by 4 mm thick
	Hanging Edges	Single 15 mm wide by 4 mm thick
	Meeting Edges	2No. 15 mm wide by 4 mm thick, positioned centrally, 10 mm apart, to primary leaf only

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 of 42 mm may utilise alternative Intumescent in-line with the size requirements as stated in the tables above and the relevant CERTIFIRE approval for the proposed intumescent seal.

All other door assembly configurations should include the specific intumescent size type and location as specified within the data sheet.

Smoke seals may be included subject to the conditions contained within the relevant CERTIFIRE certificate for the smoke seal.

## **11. Hinges**

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

Number:	Minimum 3No.
Type:	Steel butt, journal supported fixed or loose pin. Any washers or ball bearings to be of steel.
Position*:	Maximum 200 mm from the top of door to top hinge. Maximum 250 mm from bottom of door to bottom hinge. Middle hinge to be positioned centrally within the leaf height.
Dimensions:	Blade height: Minimum 98 mm, maximum 103 mm Blade width: Minimum 31 mm, Maximum 38 mm Thickness: 3 mm (+/- 1) Knuckle dia.: Minimum 12.5 mm, maximum 14.5 mm
Fixings:	Minimum 3No. steel screws, minimum No. 5 by 30 mm long.
Intumescent protection**:	None required

\* The datum in all cases is the centreline of the hinge.

\*\* This specification overrides any requirement for additional intumescent identified in the hinge manufacturer's certification providing the hinge specification falls within the parameters identified 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 above.

Where the Certifire approved hinge exceeds the specification given 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 manufacturer's CERTIFIRE certificate shall apply.

Any other CERTIFIRE approved hinges may be used, subject to the conditions contained within the relevant certificate.

## **12. Locks and Latches**

Where fitted locks / latches shall be CE Marked in accordance with BS EN 12209 or EN179 for use on 30 minute timber fire doors.

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

Max. case dimension:	166 mm high x 98 mm deep x 20 mm wide
Max. forend dimension:	235 mm high x 25 mm wide
Max. keep dimension:	185 mm high x 25 mm wide (excluding latch plate)
Latchbolt material:	Steel or brass



Position:	Max. 1100mm from the bottom of door to centreline of lockcase.	
Intumescent protection*:	Tubular latches:	None required
Intumescent protection*:	Lock / latch <b>not</b> exceeding:	1 mm Interdens to keep only
	<ul style="list-style-type: none"> <li>• 155 x 22 mm forend</li> <li>• 125 x 24 mm keep (exc. latch plate)</li> </ul>	
	Lock / latch exceeding:	1 mm Interdens to body, forend and keep
	<ul style="list-style-type: none"> <li>• 155 x 22 mm forend</li> <li>• 125 x 24 mm keep (exc. latch plate)</li> </ul>	

\* This specification overrides any requirement for additional intumescent identified in the lock manufacturer's certification providing the lock/latch specification falls within the parameters identified 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 above and subject to the conditions contained within the relevant certificate.

Where the Certifire approved lock/latch exceeds the specification given 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.

Recessing for locks should result in a tight fit, allowing for any intumescent protection where required.

No restriction on type and material of mechanical lever handles and knobs.

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

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.

#### **13a Surface mounted overhead closers**

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

#### **13b Transom Mounted Closers**



Not permitted

### **13c Concealed Closers**

- Concealed overhead closers are to be CERTIFIRE approved for use with single-acting, latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance of 30 minutes (code ITT).
- CF466 door leaves shall not be less than **53 mm thick**.
- CF466 single-acting assemblies only.
- Intumescent protection to the closer body and arm channel are to be in accordance with the CERTIFIRE certificate of approval for the specified closer.
- Closer body and arm positioning to be in accordance with the CERTIFIRE certificate of approval for the specified closer.
- The minimum required frame density and section size are to be in accordance with the CERTIFIRE certificate of approval for the specified closer.
- Compliance is required with all additional requirements as stated within the CERTIFIRE certificate of approval for the specified closer.

### **13d Floor Springs**

Not permitted

## **14. Ancillary items**

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

### **14a Protection plates and signage**

Surface mounted plastic, steel, aluminium or brass plates are acceptable on the basis that:

- < 2mm 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.

### **14b Flushbolts**

Max. Dimension:	150 mm high x 25 mm deep x 19 mm wide
Material:	Steel.
Position:	Top and bottom on door edge.
Intumescent protection*:	1 mm Interdens to base and sides of bolt body and under the keep.



#### **14c 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 fixing is of steel.

#### **14d Air transfer grilles**

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

Where apertures are pre-cut by a CERTIFIRE approved Licensed Door Processor, 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.

#### **14e 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.

#### **14f Door Viewers**

A Door viewer may be fitted into the leaf providing the viewer comprises a metal sleeve and an optical glass lens and is not positioned higher than 1450 mm from the bottom edge of the door leaf. The door viewer should have an external diameter of not greater than 14 mm and must be tightly fitted within the leaf. Intumescent protection is not required.

#### **14g 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

### **15. Further Information**

Further information regarding the details contained in this data sheet may be obtained from Hollways Doors & Frames Limited (Tel: 01142 432424).

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: 0207 637 2646 / 0844 209 2610).

