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## CERTIFICATE OF APPROVAL

### No CF271

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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

## JELD-WEN UK LIMITED

Retford Road, Woodhouse Mill, Sheffield, S13 9WH  
Tel: 0114 254 2000 Fax: 0114 269 669

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

Laminated Core (with Flush and  
Moulded Facings)  
ITT FD30 Timber Door Assemblies

#### TECHNICAL SCHEDULE

TS10 Fire Resisting Door  
Assemblies with Non Metallic  
Leaves

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan  
Certification Manager



Issued: 23<sup>rd</sup> October 2001  
Revised: 29<sup>th</sup> November 2019  
Valid to: 28<sup>th</sup> November 2024





## CERTIFICATE No CF271 JELD-WEN UK LIMITED

### JELD-WEN UK LIMITED FD30 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 provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
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 cellulosic laminboard cored, chipboard framed, timber leaves, for use with timber frames, with intumescent edge seals (code ITT FD30).
4. This approval is applicable to complete door assemblies, doorsets 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 single-acting, single-leaf, latched ITT door assemblies at leaf dimensions up to those given in Table 1 below:

Door assembly configuration	Maximum Height (mm)	Maximum Width (mm)	Area (m <sup>2</sup> )
Single-Acting, Single-Leaf Latched	2040 mm high (at 926 mm wide)	926 mm wide (at 2040 mm high)	1.89 m <sup>2</sup>

Table 1.

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

Signed  
E/128

Issued: 23<sup>rd</sup> October 2001  
Revised: 29<sup>th</sup> November 2019  
Valid to: 28<sup>th</sup> November 2024



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## CERTIFICATE No CF271 JELD-WEN UK LIMITED

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### JELD-WEN UK LIMITED FD30 TIMBER DOOR ASSEMBLIES

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.
7. Hardware items, including closing devices and intumescent fire seals, shall as specified in the Data Sheet.
8. The door assemblies shall be mechanically fixed to wall constructions having a fire resistance of at least 30 minutes.
9. Labels to the CERTIFIRE design, or approved by CERTIFIRE, referencing CERTIFIRE and CERTIFIRE Ref. No. CF271 and FD30 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.

Signed  
E/128

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## CF271 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 FD 30 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 Jeld-Wen UK Limited may be considered to meet the requirements in respect of those items.

### 2. Door Leaf Dimensions

This approval is applicable to single-action, single, latched, assemblies at leaf dimensions up to those detailed within Table 1 below:

Door assembly configuration	Maximum Height (mm)	Maximum Width (mm)	Area (m <sup>2</sup> )
Single-Acting, Single-Leaf Latched	2040 mm high (at 926 mm wide)	926 mm wide (at 2040 mm high)	1.89 m <sup>2</sup>

**Table 1.**

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

All timber framed door assembly configurations may incorporate overpanels which include a transom rail as detailed within data sheet

### 3. Door Frame

To be any of the following:-

Softwood or Hardwood	i) Density:	500 kg/m <sup>3</sup> min.
	ii) Dimensions:	66 mm by 43 mm min.
	iii) Door Stop:	12 mm deep pinned, screwed or rebated from solid Where the stop is rebated from solid the overall frame thickness must be increased by 12 mm to accommodate the 12 mm rebate depth.
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:	Top and vertical edges	Not to exceed 4.0 mm
	Threshold – <b>without</b> automatic threshold seal	up to 8 mm
	Threshold – <b>With</b> IS8010 automatic threshold seals	up to 11 mm

#### **4. Overpanels / Sidepanels**

Transomed overpanels, manufactured to the same specification as the door leaves, may be included up to 1000 mm high, with a minimum 43 mm thick transom rail.

Mullioned sidepanels, manufactured to the same specification as the door leaves, may be included up to 1926 mm wide, with a minimum 43 mm thick mullion rail.

Overpanels / Sidepanels will include an identical intumescent specification to the door leaves.

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

Entire overpanel may be glazed in accordance with point 5 below.

#### **5. Glazed Fanlights**

Any CERTIFIRE approved glazing systems may be used providing the 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 85 mm, 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, 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 lipped on vertical edges in hardwood 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 CERTIFIRE label be trimmed** since removal of the label will invalidate the certification.

Unlipped doors shall not be trimmed in width.

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.

## 8. Glazed Apertures

All apertures to be factory prepared by Jeld-Wen UK Limited, or a CERTIFIRE approved Licensed Door Processor. No site cutting of apertures permitted as this will invalidate the certification.

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 below (whichever is smaller):

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

Area: Maximum total glazed area of 0.10 m<sup>2</sup> per leaf

Margins: No closer than 200 mm to the edge of the door leaf or between apertures

Lining: As required by the glazing certificate.

Maximum Permitted Aperture Dimensions		
Max. Height (mm)	Max. Width (mm)	Max. Area (m <sup>2</sup> )
500 (at 200 wide)	500 (at 200 high)	0.10

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

## 9. Intumescent Seals

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

**For door assemblies to BS476: Part 22 – classified as FD30 – Timber frames.**

Door Assembly Configuration*	Position	Required Intumescent Protection
Single-acting Single-leaf Latched	Frame Head	Single 20 mm wide by 4 mm thick Lorient Polyproducts 'Type 617'
	Frame Jambs	Single 20 mm wide by 4 mm thick Lorient Polyproducts 'Type 617'

\*See Table 1 for size restrictions

Latched, single acting, single-leaves with maximum leaf dimensions 2040 mm high by 926 mm wide and of a minimum thickness of 44 mm may utilise alternative Intumescents in-line with the relevant CERTIFIRE approval for the proposed intumescent seal. All seals to be CERTIFIRE approved to Technical Schedule 35.

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

Seals may be interrupted at hinge and latch positions.

## 10. Hinges

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

Number:	3No.	
Type:	Steel lift-off or butt hinges	
Positions*:	Maximum 200 mm from top of door to top hinge 2 <sup>nd</sup> hinge central height Maximum 225 mm from bottom of door to bottom hinge	
Dimensions:	Blade height:	102 mm (+/- 20%)
	Blade width:	30 mm (+ 5 mm / - 0 mm)
	Blade thickness:	3 mm (+/- 0.5 mm)
	Knuckle dia.:	12 mm (+/- 1mm)
Fixings:	5 No. steel screws	
	Minimum No. 8 x 32 mm	
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.

## 11. Latches

Latches are essential with this assembly and standard mortice latches/locks shall be CE Marked for use on 30 minute timber fire doors.

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

Max. case dimension:	165 mm high x 83 mm deep x 16 mm wide
Max. forend dimension:	235 mm high x 24 mm wide
Max. keep dimension:	220 mm high x 30 mm wide (excluding latch plate)
Latchbolt material:	Steel
Position:	Max. 1100 mm from bottom of door to centreline of lockcase
Intumescent: protection*	1 mm Interdens behind forend and beneath strikeplate

\* 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.

**Multi-point type: SL16 FULLEX** with steel latch bolt and fixed with 2.5" steel screws and fitted with a FULLEX Guard Cylinder with Key/Key or Key/Thumb-turn cylinders, or KFV Multipoint split spindle lockset and keeps (ref AS4900XL) with Key/Key or Key/Thumb-turn cylinders. Keeps fixed with 'Tee' nuts

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.

## **12. Overhead Closers**

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 a minimum size 3 closing force.

Closers shall be CE Marked against EN 1154 and categorised as grade 1 – suitable for use on fire / smoke door assemblies.

### **12a Surface mounted overhead closers**

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

### **12b Transom Mounted and Concealed Closers**

Not permitted

### **12c Floor Springs**

Not permitted

## **13. Ancillary items**

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

### **13a 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.



### **13b Protection plates and signage**

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

- < 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.

### **13c Flushbolts**

Not permitted

### **13d. Air transfer grilles**

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

Where apertures are pre-cut by Jeld-Wen Limited, or 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.

### **13e. 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.

### **13f. Door Viewers**

One or more door viewers reference UK Fixings 22525 may be fitted into the leaf, positioned no higher than 1500 mm from the threshold, with a minimum 100 mm centre-to-centre between viewers (no additional intumescent protection required).

### **13g. Draught/Weather Seals**

Q Lon Aquamac 21 Draught/Weather seal may be fitted to the stop providing it doesn't interfere with the closing/latching of the leaf and does not interrupt the intumescent seals.

### **13h. 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 insulated glazing

### **13i. Threshold seals**

Lorient Polyproducts Limited IS8010 automatic threshold seals may be fitted centrally in the bottom edge of the door leaf.

### **13j. Electric Strikes / Electro mechanical locks**

Not permitted

## **14. Further Information**

Further information regarding the details contained in this data sheet may be obtained from JELD-WEN UK Limited (Tel: 0845 122 2891).

Further information regarding the CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).