
CERTIFICATE OF APPROVAL

No CF 271

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:

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 Exova (UK) Limited trading as
Warrington Certification



Paul Duggan
Certification Manager



Issued: 23rd October 2001
Revised: 9th August 2017
Valid to: 27th August 2019

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CERTIFICATE No CF 271 JELD-WEN UK LIMITED

JELD-WEN UK LIMITED FD30 TIMBER DOOR ASSEMBLIES

1. 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 doorsets when used in accordance with the provisions therein.
2. 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.
3. 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
4. The doorsets comprise hardwood laminboard cored, chipboard framed, timber leaves, for use with timber frames, with intumescent edge seals (code ITT FD30).
5. This approval is applicable to both complete 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.
6. This approval is applicable to single-acting, single-leaf, latched ITT doorsets at leaf dimensions up to those given in Table 1.

Maximum Height	Maximum Width	Maximum Area
2040 mm high (at 926 mm wide)	926 mm wide (at 2040 mm high)	1.89 m ²

Table 1. Maximum Permitted Door Leaf Dimensions for Fire Performance
Single-Acting, Single-Leaf, Latched

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

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JELD-WEN UK LIMITED

JELD-WEN UK LIMITED FD30 TIMBER DOOR ASSEMBLIES

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 as specified in the Data Sheet.
9. The doorsets shall be mechanically fixed to wall constructions having a fire resistance of at least 30 minutes.
10. Labels to the CERTIFIRE design, or approved by CERTIFIRE, referencing CERTIFIRE and CERTIFIRE Ref. No. CF 271 and FD30 classifications resistance shall be affixed to each door in the prescribed position.
11. 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.

CF 271 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.

Maximum Height	Maximum Width	Maximum Area
2040 mm high (at 926 mm wide)	926 mm wide (at 2040 mm high)	1.89 m ²

Table 1. Maximum Permitted Door Leaf Dimensions for Fire Performance
Single-Acting, Single-Leaf, Latched

3. Door Frame

To be any of the following:-

Softwood or Hardwood	i) Density: 500 kg/m ³ min. ii) Dimensions: 66 mm by 43 mm min. iii) 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:	Top and vertical edges Not to exceed 4.0mm Threshold – without automatic up to 8 mm threshold seal Threshold – With IS8010 up to 11 mm automatic threshold seals

4. Overpanels

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.



5. 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 doorsets, as recommended by the partition manufacturer.

6. Installation

The opening may be lined with softwood 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.

Doorsets shall be installed as stated in BS 8214, Table 2. 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.

7. Glazed Apertures

All apertures to be factory prepared. **No site cutting of apertures permitted.**

7.1 One or more glazed openings systems may be included in each leaf.

7.2 Apertures:

Area: Maximum glazed area per leaf of aperture size 0.1 m²

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

Lining to aperture: As required by the glazing certificate.

7.3 Glazing system:

Any CERTIFIRE approved glass or glazing system subject to conditions contained in the relevant approval.



8. Intumescent Seals

Doorset Configuration*	Position	Required Intumescent Protection
Single-acting Single-leaf doorsets	Head	Single 20 mm wide by 4 mm thick 'Type 617'
	Vertical edges	Single 20 mm wide by 4 mm thick 'Type 617'

Seals may be interrupted at hinge and latch positions. Alternative seals may be utilised 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.

9. Hinges

Hinges shall be CE Marked against EN 1935 for use on 30 minute timber fire doors.

Number:	3No.
Type:	Steel lift-off or butt hinges
Positions*:	Maximum 200 mm from top of door to top hinge 2 nd 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. Where alternative hinges exceed the specification given above the intumescent protection as identified in the hinge manufacture's CERTIFIRE certificate shall apply.

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



10. 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. Where alternative lock/latch exceeds the specification given above the intumescent protection as identified in the lock/latch manufacturer'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 KVV Multipoint split spindle lockset and keeps (ref AS4900XL) with Key/Key or Key/Thumb-turn cylinders. Keeps fixed with 'Tee' nuts

Any other CERTIFIRE approved lock/latch may be fitted, subject to the conditions contained within the relevant certificate.

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

No restriction on type and material of handles.

11. 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.

12. Ancillary items

12a 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.



12b Flushbolts

Not permitted

12c 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.

12d. 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 doorset.

12e. 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 doorset.

12f. 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).

12g. 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

12h. 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.

12i. Threshold seals

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



13. 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).

Further information regarding BWF labelling requirements can be obtained from the British Woodworking Federation (Tel: 0207 608 5050).

