
CERTIFICATE OF APPROVAL

No CF 573

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,
South Yorkshire, S13 9WH
Tel 0114 254 2000 Fax 0114 269 6696

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
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: 15th January 2008
Revised: 19th November 2018
Valid to: 18th November 2023

Page 1 of 3



CERTIFICATE No CF 573 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 and 30 minutes integrity as defined in BS 476: Part 22. 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 its 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 door leaves of panels within a softwood internal perimeter frame, for use with timber frames, with intumescent edge seals (code ITT FD30).
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 single-acting, single-leaf, latched ITT doorsets with 33.5 mm thick leaves, at leaf dimensions up to those given in Table 1 below.

Door assembly configuration	Maximum Height (mm)	Maximum Width (mm)	Area (m ²)
Single-Acting, Single-Leaf Latched	2162 (at 864 wide)	918 (at 2040 high)	1.87

Table 1.

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

**CERTIFICATE No CF 573
JELD-WEN UK LIMITED**

JELD-WEN UK LIMITED FD30 TIMBER DOOR ASSEMBLIES

6. Hardware items, including closing devices and intumescent fire seals, shall as specified in the Data Sheet.
7. The door assembly shall be mechanically fixed to wall constructions having a fire resistance of at least 30 minutes.
8. Labels to the CERTIFIRE design, or approved by CERTIFIRE, referencing CERTIFIRE and CERTIFIRE Ref. No. CF573 and FD30 classifications resistance shall be affixed to each door in the prescribed position.
9. The approval relates to on-going production. Product and/or its immediate packaging is identified with the manufacturers' name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

CF 573 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 insulation as defined in BS 476: Part 22: 1987, when installed in accordance with the following conditions. Subject to these, the door would be expected to meet the relevant requirements of BS5588 for FD30 when used in accordance with the provisions therein.

In recognition of this, the leaf carries a prefixed label on the top 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 leaf may be used in single-acting, single-leaf, latched doorsets, at leaf dimensions up to those given in Table 1 below:

Door assembly configuration	Maximum Height (mm)	Maximum Width (mm)	Area (m ²)
Single-Acting, Single-Leaf Latched	2162 (at 864 wide)	918 (at 2040 high)	1.87

Table 1.

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

3. Door Frame

Softwood or Hardwood	Density:	450 kg/m ³ min.
MDF	Density:	720 kg/m ³ min.
Minimum Dimensions	Lining:	50 mm by 25 mm min.
	Door Stop:	12 mm deep by 12 mm wide stop pinned or glued and pinned using 40 mm long steel pins or rebated from solid. Note: min 50 mm by 37 mm thick section required when rebating from solid
Jointing:		half lapped joints with steel pins
Door to frame gaps:		Not to exceed 4 mm except at threshold where up to 8 mm is permitted



4. Supporting Construction

The door assemblies are approved to be installed in brick, block, masonry or timber stud of minimum thickness 72 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.

5. Installation

The opening may be lined with softwood which shall be continuous and of minimum width, 70 mm. Each door frame jamb to be fixed through to the wall at not less than three points with steel 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.

Any voids between the lining and the wall to be infilled with mineral fibre or, if less than 6 mm wide, with intumescent mastic or paste.

Any voids between the door frame and lining or door frame and wall to be filled as above for lining to wall gaps.

Alternatively door assemblies may 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.

Door leaves may be trimmed to fit the frame by the following maximum amounts:

Stiles (each): 4 mm
Bottom: 6 mm

Special trim-able doors with double stiles and additional bottom rail are available and may be trimmed by a maximum of 25 mm to both stiles and bottom rail. Subject to these conditions, sloped head doors are also permitted, provided the door is hung from its longest edge and the BWF-CERTIFIRE label remains in position. Contact JELD-WEN UK Limited for further information.

Note that the maximum door to frame and door to threshold gaps specified shall not be exceeded nor shall the top 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.

6. Glazed Apertures

Not permitted.

7. 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

Position	Seal
Top horizontal edge	Minimum 15 mm wide by 4 mm thick seal fitted in the centre of the frame reveal or central in the door leaf edge.
Vertical edges	



Seals may be interrupted at hinge and latch positions.

Type: Lorient Polyproducts Ltd 'LP1504' 'Type 617' seals or equivalent CERTIFIRE approved seals subject to conditions contained in the relevant approval.

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

8. Hinges

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

Number: 3 No. per leaf (minimum)

Type: Steel butt, journal supported fixed or loose pin. Any washers or ball bearings to be of steel.

Positions:* Maximum 150 mm from top of door to top hinge
Centrally in the leaf height
Maximum 250 mm from bottom of door to bottom hinge

Dimensions: i) Height: 100 mm
ii) Blade width: 25 - 30 mm
iii) Thickness: 2.7 mm
iv) Knuckle dia.: 10 - 13 mm

Fixings: Steel screws, minimum 4 No. and no smaller than No. 8 by 19 mm long into the frame and No. 8 by 31 mm long into the leaf.

Intumescent Protection:** 2 mm Interdens (Optional)

* 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.

9. Latches

Where fitted, 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: 101 mm long by 65 mm wide.



Max. forend dimension:	155 mm x 22 mm
Max. strike dimension:	155 mm x 22 mm.
Latch bolt material:	To have a melting point greater than 800°C.
Position:	Max. 1100 mm from bottom of door to centreline of lockcase
Protection:*	1 mm thick MAP intumescent (Interdens) sheet applied to both faces of the lock case

* 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.

10. Self-Closing Devices

All unlatched doorsets shall be fitted with a door closer covered by a CERTIFIRE certificate. Closers are not essential for fire performance if the doorset incorporates a latch and the leaf is in the closed and fully latched position. A self-closing device may however be required to be fitted to satisfy fire regulations and if fitted shall be a CERTIFIRE approved product. **Note: closers with mechanical hold-open mechanisms are not permitted to be used.**

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.

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

CERTIFIRE approved closers for use with timber doors and composite frames (ITC) must be CERTIFIRE approved for this configuration specifically.

10a Surface mounted overhead closers

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

10b Transom Mounted and Concealed Closers

Not permitted



10c Floor Springs

Not permitted

11. Ancillary items

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

11a 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.

11b Flushbolts

Not permitted / applicable

11c 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.

11d. Air transfer grilles

Not permitted

11e. Letter Plates

Not permitted

11f. Door Viewers

Not permitted

11g. Dropseals

Lorient IS8010 automatic threshold seals (drop seals) may be fitted centrally in the bottom edges of doors which incorporate 2No bottom rails, complete with 1mm thick M.A.P intumescent protection to both faces of the seal.



The use of recessed drop seals is not permitted where doors leaves incorporate a single bottom rail. Contact JELD-WEN UK Limited for further information.

11h. 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

11i. Electric Strikes / Electro mechanical locks

Not permitted

12. Further Information

Further information regarding the details contained in this data sheet may be obtained from JELD-WEN UK Limited (Tel: 0845 122 2890).

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).

