
CERTIFICATE OF APPROVAL

No CF 5372

This is to certify that, in accordance with
TS00 General Requirements for Certification of Fire Protection Products
The undermentioned products of

CORINTHIAN INDUSTRIES (ASIA) SDN BHD

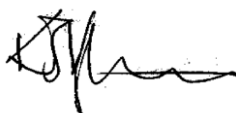
LOT. 37217, Jalan Genting, Off 4th Mile, Jalan Kapar, 42100 Rantau
Panjang, Klang, Selangor Darul Ehsan, Malaysia
Tel: (int+) 60 3 3291 2363 Fax: (int+) 60 3 3291 1019

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 SLAB 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



Sir Ken Knight
Chairman
Impartiality Committee



Paul Duggan
Certification Manager



Issued: 5th January 2016
Revised: 7th November 2016
Valid to: 4th January 2021

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CORINTHIAN INDUSTRIES (ASIA) SDN BHD

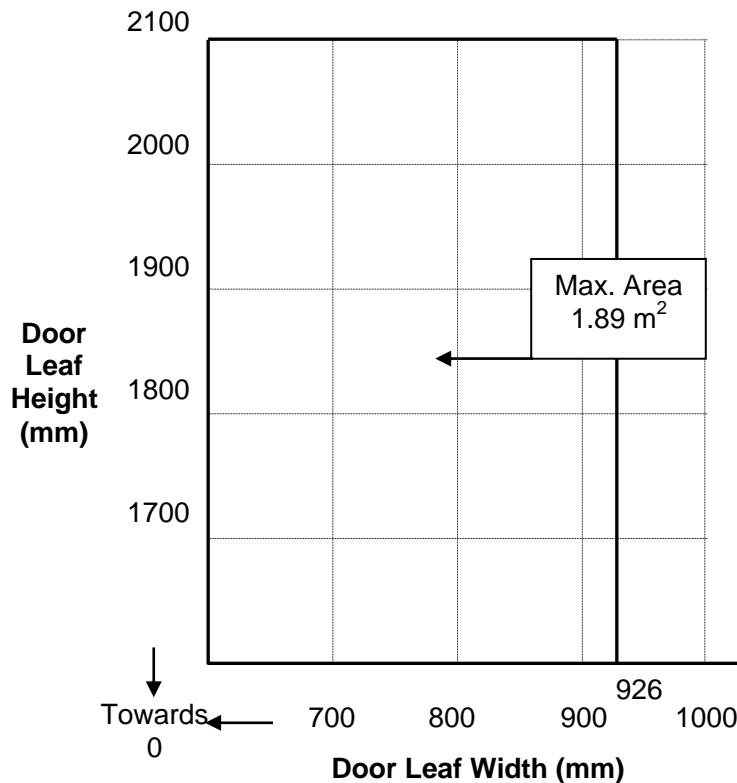
FD30 SLAB TIMBER DOOR ASSEMBLIES

1. This approval relates to the use of the above doors in providing fire resistance of 30 minutes integrity and insulation 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 certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section 2 of the Technical Standards (Scotland), Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.'
3. The doors are approved on the basis of:
 - i) Initial type testing
 - ii) Audit testing at the frequency specified in TS10
 - iii) A design appraisal against TS10
 - iv) Certification of quality management systems to ISO9001:2008
 - v) Inspection and surveillance of factory production control
4. The doors comprise a hardwood lipped, particle board core, in various finishes for use with timber frames incorporating 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 completely fitted form it is a condition of this approval that an agreed datasheet 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 and unlatched, ITT assemblies with leaves 44 mm thick overall. The leaf sizes are shown in Figure 1 and Table 1 (All dimensions in mm). Glazed panels are not permitted.
7. Hardware items, including closing devices and intumescent edge seals, shall be CERTIFIRE approved or otherwise as specified in the data sheet.
8. The doorset shall be mechanically fixed to wall constructions having a fire resistance of at least 30 minutes.

CERTIFICATE No CF 5372 CORINTHIAN INDUSTRIES (ASIA) SDN BHD

FD30 PANELLED TIMBER DOOR ASSEMBLIES

9. Labels to the BWF/CERTIFIRE design referencing CORINTHIAN INDUSTRIES (ASIA) SDN. BERHAD, CERTIFIRE and CERTIFIRE Ref. No. CF5372 and FD30 fire resistance shall be affixed to each door in the prescribed position.
10. 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.



Maximum Door Leaf Height	Maximum Door Leaf Width	Maximum Door Leaf Area
2100 mm (at 926 mm wide)	926 mm (at 2100 mm high)	1.94 m ²

Table 1. Maximum Permitted Door Leaf Dimensions

CF 5372 DATA SHEET

1. General

This door leaf has been tested and is certified by CERTIFIRE under reference **CF5372** as being capable of providing fire resistance of up to 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 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 of the door issued under the terms of the British Woodworking Federation - CERTIFIRE fire resisting door scheme. This label uniquely identifies the door leaf, the manufacture of which complies with BS: ISO 9001: 2008 for quality systems 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 or Corinthian Industries (Asia) may be considered to meet the requirements in respect of those items.

2. Door Leaf

This leaf may be used in single-acting, single-leaf, latched and unlatched ITT doorsets ITT doorsets at leaf dimensions up to those given in Figure 1 and Table 1 of Certificate CF5372. Table 1 is re-produced below:

Maximum Door Leaf Height	Maximum Door Leaf Width	Maximum Door Leaf Area
2100 mm (at 926 mm wide)	926 mm (at 2100 mm high)	1.94 m ²

Table 1. Maximum Permitted Door Leaf Dimensions



3. Door Frame

Material:	Softwood or Hardwood or MDF	Excluding Ash, Beech, Towri, Iroko and Gerrongang
Density:		Timber: minimum 450 kg/m ³ MDF: minimum 720 kg/m ³
Section Size:		min. 77 mm by 25 mm plus 12 mm stop Rebated from solid or planted 25 mm wide by 12 mm thick. The stop may be machined from solid timber, glued and pinned or pinned only using 38 mm long steel pins
Joints		Mortice and tenon or half lapped joint with the head fixed to the jambs using two steel fixings
Door to Frame Gaps:		Not to exceed 4 mm except at threshold where up to 6 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.

5. Installation

The opening may be lined with softwood which shall be continuous and of minimum width, 70 mm. 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. Each door frame jamb to be fixed through to the wall at not less than three points with steel fixings penetrating the wall to at least 50 mm. Any voids between the door frame and lining or door frame and wall to be filled as above for lining to wall gaps. Architraves are optional with no restrictions on material, size or fixing.

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

Stiles (each)	4 mm
Bottom	6 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 BWF-CERTIFIRE label be trimmed since removal of the label will invalidate the certification.”

6. Intumescent Seals

	Head and Trailing edges
Single-Acting, Single-Leaf	Minimum 15 mm wide by 4 mm thick in the centre of the frame reveal in the head and both jambs or the centre of the door leaf at its edge

Type: Therm-A-Seal by Intumescent Seals Ltd or equivalent CERTIFIRE approved seals (to TS35) subject to conditions contained in the relevant approval.



7. Hinges

Hinges shall be CE marked for use on fire resisting timber doors, in addition to the specifications below:

Number:	Doors up to 2040 mm high	3 No.
Type:	Fixed or loose pin, washered butt, ball bearing or journal supported (ball bearings to be steel)	
Size:	100 mm high (maximum) Blade width 30-36 mm. 3.5 mm thick (maximum)	
Positions:	150 mm from head, central and 250 mm from base of leaf (± 50 mm)	
Fixings:	Steel screws, minimum No. 8s (3.8 mm diameter) and 32 mm long (25 mm long for MDF frames)	

Material: Brass (to BS 2874), Phosphor Bronze, Steel or Stainless Steel

8. Latches

Where fitted, latches shall be CE marked for use on fire resisting timber doors, in addition to the specification below:

To be fitted at 1000 mm (± 200 mm) from the base of the leaf.

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

Latch bolt material: Material with a melting point greater than 800°C

Case dimensions: 120 mm high by 90 mm wide by 19 mm thick maximum

Forend plate: 160 mm high by 25 mm wide maximum

Strike: 160 mm high by 25 mm wide maximum

No restriction on type and material of handles.

9. Overhead Closers

A self-closing device is essential for the closing of unlatched doors and they shall be a CERTIFIRE approved product including all accessories. Closers are not essential for fire performance if the doorsets are fitted with a latch. A self-closing device is however normally required to satisfy fire regulations and if fitted shall be a CERTIFIRE approved product (Coded ITT30). Note closers with mechanical hold-open mechanisms are not permitted to be used.

10. Further Information

Further information regarding the details contained in this data sheet may be obtained from JELD-WEN UK (Tel. 01302 394 000) or Corinthian Industries (Asia) Sdn. Berhad. (Tel. Int+ 60 3 3291 2363).

Further information regarding CERTIFIRE certification and 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. 0870 458 6939).

