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## CERTIFICATE OF APPROVAL

### No CF 5389

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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

## FINANCIERA MADERERA SA

N-550 KM 57, 15890 SANTIAGO DE COMPOSTELA  
SPAIN

Tel: (+0034) 981 05 00 00

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

#### Superpan FD30 ITT Timber Door Blanks

Financiera Maderera SA  
Finsa UK  
Finsa Forest Products  
Finsa France SAS  
Finsa Italia  
Finsa BV  
Finsa Polska  
Finsa Middle East  
Finsa Maroc  
Finsa Latinoamerica  
Lusofinsa - Industria e Comercio de Madeiras

#### 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: 7<sup>th</sup> January 2016  
Revised: 26<sup>th</sup> June 2020  
Valid to: 6<sup>th</sup> January 2021

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## **CERTIFICATE No CF 5389**

### **FINANCIERA MADERERA SA**

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#### **FINANCIERA MADERERA SA, Superpan FD30**

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. 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 blanks comprise wood based cores in various finishes for use with timber frames, with intumescent edge seals (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 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 and double-leaf, latched and unlatched ITT doorsets at leaf dimensions up to those given in Table 1. Double-leaf doorsets incorporating unequal sized door leaves are also permitted, as detailed within the data sheet.
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 edge seals, shall be CERTIFIRE approved or otherwise as specified in the data sheet.



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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 5389 and FD30 classifications resistance shall be affixed to each door in the in the prescribed position.
11. This approval relates to the 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.

Door assembly configuration	Maximum Height (mm)	Maximum Width (mm)	Maximum Area (m <sup>2</sup> )
Single-Acting, Single-Leaf Latched / Unlatched	2247 (at 1000 wide)	1052 (at 2135 high)	2.25
Single-Acting, Double-Leaf Latched / Unlatched	2370 (at 926 wide)	1028 (at 2135 high)	2.19

**Table 1. Maximum Permitted Door Leaf Dimensions**

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

# CF 5389 DATA SHEET

## FINANCIERA MADERERA SA, Superpan FD30

### 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 uninsulating 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 Financiera Maderera SA may be considered to meet the requirements in respect of those items.

### 2. Door Leaf Dimensions

This approval is applicable to single-acting, single or double-leaf, latched and unlatched ITT assemblies at leaf dimensions up to those given in Table 1. Double-leaf doorsets including unequal sized door leaves are permitted on the assumption that the smaller leaf is no less than 30 % of the width of the larger leaf. The smaller leaf of such doorsets should be rendered inactive by top and bottom surface mounted shoot bolts or flush bolts complete with intumescent protection as specified in section 11c.

Door assembly configuration	Maximum Height (mm)	Maximum Width (mm)	Maximum Area (m <sup>2</sup> )
Single-Acting, Single-Leaf Latched / Unlatched	2247 (at 1000 wide)	1052 (at 2135 high)	2.25
Single-Acting, Double-Leaf Latched / Unlatched	2370 (at 926 wide)	1028 (at 2135 high)	2.19

### 3. Door Frame

To be any of the following: -

Softwood or Hardwood (solid or finger jointed)

- i) Density: 430 kg/m<sup>3</sup> minimum
- ii) Dimensions: 32 x 60 mm min.
- iii) Door Stop: 15 mm deep pinned, screwed or rebated from solid.

MDF

- i) Density: 660 kg/m<sup>3</sup> minimum
- ii) Dimensions: 30 x 60 mm min.
- iii) Door Stop: 15 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 4.0 mm except at the threshold where up to 8 mm is permitted and 3.5 mm at the meeting stiles

#### **4. Overpanels**

Transomed overpanels, manufactured to the same specification as the door leaves, may be included up to 1000 mm high, with a minimum 44 mm thick transom rail.

Overpanels 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.

#### **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 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 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: 1990, 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 the 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: 3 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.

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 a CERTIFIRE approved Licensed Door Processor.  
**No site cutting of apertures permitted as this will invalidate the certification.**

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 0.54 m<sup>2</sup> per leaf

Margins: 150 mm from the perimeter edge, 150 mm between apertures.

Maximum Permitted Aperture Dimensions		
Maximum Height (mm)	Maximum Width (mm)	Maximum Area (m <sup>2</sup> )
1815 (at 300 wide)	330 (at 1650 high)	0.54

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

**Non-Insulating glasses:** 7 mm Pyrodur Plus 30-104 glass or other CERTIFIRE approved glass subject to the conditions of the glass certificate

Intumescent System	Bead dimensions (mm)	Bead Density	Fixings	Max. Height (mm)	Max. Width (mm)	Max. Area (m <sup>2</sup> )
Pyroplex 30049, 12 mm high by 2 mm thick.	22 mm high by min 22 mm wide (including a 7 mm by 5 mm bolection) Bead to include a 15° splay 12 mm +2/-1 mm edge cover	Hardwood min. 640 kg/m <sup>3</sup>	1.6 by 50 mm long pins No.6 x 50 mm long screws at max 200 mm centres, max. 70 mm in from corners.	1815 (at 300 wide)	330 (at 1650 high)	0.54 m <sup>2</sup>

Additionally the leaf/leaves may incorporate any CERTIFIRE approved glazing system subject to the conditions contained within the relevant certificate (e.g. maximum size associated with glass or system, edge cover, aperture lining requirements, etc.)

## 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.**

Door assembly Configuration*	Position	Required Intumescent Protection
Single-acting Single-leaf door assemblies	Head	Single 15 mm wide by 4 mm thick Pyroplex 8700 Graphite intumescent
	Vertical edges	Single 15 mm wide by 4 mm thick Pyroplex 8700 Graphite intumescent
Single-acting Double-leaf door assemblies	Head	Single 15 mm wide by 4 mm thick Pyroplex 8700 Graphite intumescent
	Hanging edges	Single 15 mm wide by 4 mm thick Pyroplex 8700 Graphite intumescent
	Meeting edge (primary leaf only)	2No. 10 mm wide by 4 mm thick Pyroplex 8700 Graphite intumescent (positioned 10 mm apart)

\* See Table 1 for size restrictions

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.

## 10. Hinges

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

Number:	Minimum 3No.
Type:	Steel lift-off or butt hinges
Positions*:	Maximum 300 mm from the top of the door to top hinge Maximum 500 mm from top of door to 2 <sup>nd</sup> hinge Maximum 300 mm from bottom of door to bottom hinge
Dimensions:	Blade height: 100 mm ( $\pm 20\%$ ) Blade width: 35 mm (+2 mm / -3 mm) Blade thickness: 3 mm ( $\pm 0.5$ mm) Knuckle diameter: 13 mm ( $\pm 1$ mm)
Fixings:	Fixings: 5 No. steel screws (minimum) No.8 by 32 mm long (minimum)
Intumescent protection**:	1 mm Interdens sheet at 35 mm by 100mm

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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 manufacturer's CERTIFIRE certificate shall apply.

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

## 11. Locks and Latches

Locks and latches are not necessary, but where fitted shall be CE marked for use with 30 minute timber fire doors, in addition to the specification below:

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

Max. Case dimensions:	170 mm by 97 mm by 17 mm
Max. Forend dimensions:	235 mm by 20 mm by 3 mm
Max. Keep dimensions:	185 mm by 25 mm (excluding lip)
Latchbolt material:	Steel/brass
Position:	Max 1000 mm from the bottom of the door to the centreline of the lever handle spindle.
Intumescent protection*:	1 mm Interdens to faces and edges of case. 1 mm Interdens behind the forend and keep. 2 mm Graphite to the base of all latch bolt and dead bolt recesses.

\* This specification overrides any requirements 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.

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

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

No restriction on type and material of handles.

## **12. 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.

## **13. Ancillary Items**

### **13a. Protection Plates and Signage**

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

- < 2 mm thick
- Do not occupy more than 20% Of the door leaf in total, or exceed 500 mm in height for kickplates and 300 mm 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 – 50 mm narrower than door width)
- Plates/signage can be bonded with a thermally softening adhesive. Additionally screws may be used.

### **13b. 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.

### **13c. Flushbolts**

Max. Dimension:	203 mm high by 30 mm deep by 24 mm wide
Material:	Steel
Position:	Top and bottom on door edge or face (positioned a minimum of 50 mm from the leading edge of the door to the centre of the bolt)
Intumescent protection:	2 mm Interdens sheet to base and sides of bolt body. 1 mm Interdens sheet behind keep.

### **13d. Door Viewers**

Not permitted



### **13e. Air Transfer Grilles**

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

Where apertures are pre-cut by Financiera Maderera SA, 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.

### **13f. 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.

### **11g. 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.

### **14. Further Information**

Further information regarding the details contained in this data sheet may be obtained from Financiera Maderera SA. (Tel: (+0034) 981 05 00 00)

Further information regarding the CERTIFIRE certification and other approved products can be obtained from Warringtonfire Testing and Certification Limited (Tel: +44 (0) 1925 646777).