



CERTIFICATE OF APPROVAL

No CF 218

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

VICAIMA LIMITED

Marlowe Avenue, Greenbridge Industrial Estate,
Swindon, Wiltshire SN3 3JF
Tel: 01793 532333 Fax: 01793 530193

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

Vicaima FD30 (Standard
Duty Core) Timber
Door Assemblies

TECHNICAL SCHEDULE

TS10 Fire Resisting Door
Assemblies with Non - Metallic
Leaves

Signed and sealed for and on behalf of CERTIFIRE

Sir Ken Knight
Chairman - Management Council
Page 1 of 4

Issued: 1st July 1999
Reissued: 27th September 2011
Valid to: 26th September 2016



Only valid when authentic
Seals in place CERTIFIRE



CERTIFICATE No CF 218

VICAIMA LIMITED

VICAIMA FD30 (STANDARD DUTY CORE) 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% glass) and 30 minutes integrity as defined in BS 476: Part 22; 1987. Subject to the undermentioned conditions, the door assemblies would be expected to meet the relevant requirements of BS 5588 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 system.
 - v) Inspection and surveillance of factory production control
4. The door assemblies comprise flaxboard/particleboard cored, timber framed leaves in various finishes 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 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 latched or unlatched, single-acting, single and double-leaf ITT assemblies. Maximum leaf sizes are as given in Figure 1 and Table 1.
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.
9. Labels to the BWF/CERTIFIRE design referencing Vicaima, CERTIFIRE and CERTIFIRE Ref. No. CF218 FD30 fire resistance shall be affixed to each door in the described position.

A handwritten signature in black ink, appearing to be "K. J. ...", located below the "Signed" text.



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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.

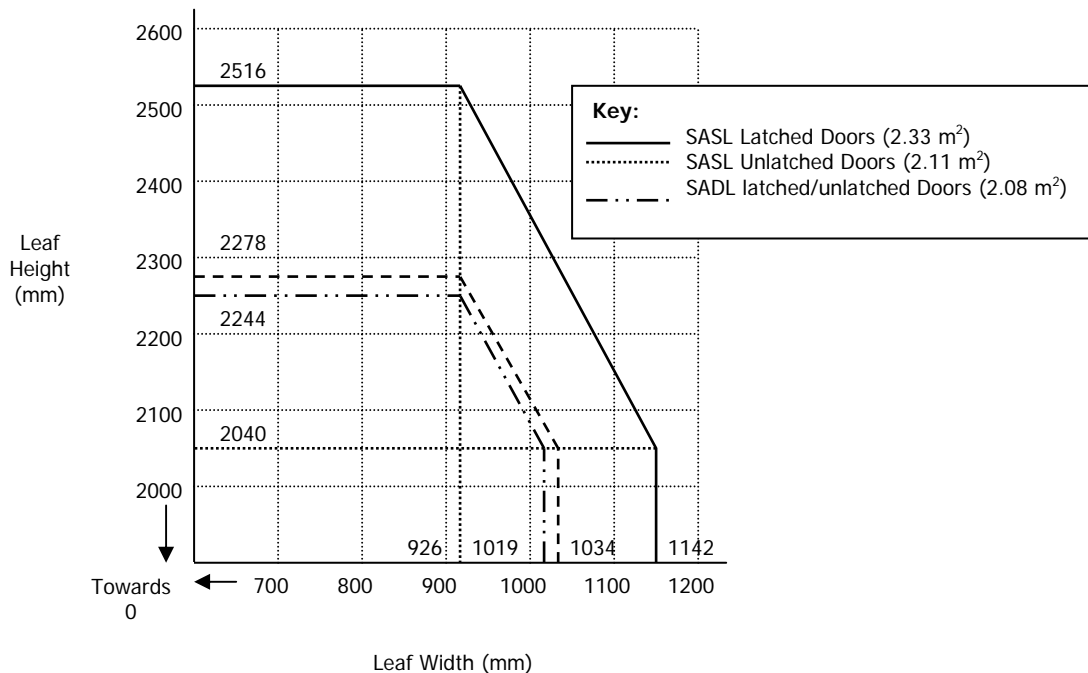


Figure 1. - Maximum Permitted Door Leaf Dimensions



CERTIFICATE No CF 218
VICAIMA LIMITED

VICAIMA FD30 (STANDARD DUTY CORE) TIMBER DOOR ASSEMBLIES

Configuration		Leaf Height (mm)	Leaf Width (mm)	Area
Single-Acting, Single-Leaf	Latched	2516 mm (at 926 mm wide)	1142 mm (at 2040 mm high)	2.33 m ²
	Unlatched	2278 mm (at 926 mm wide)	1034 mm (at 2040 mm high)	2.11 m ²
Single-Acting, Double-Leaf	Latched / unlatched	2244 mm (at 926 mm wide)	1019 mm (at 2040 mm high)	2.08 m ²
Single-Acting, Single and Double-Leaf PVC Clad Frame	Latched	2641 mm (at 813 mm wide)	1056 mm (at 2032 mm high)	2.14 m ²

Table 1. - Maximum Permitted Door Leaf Dimensions

VICAIMA FD 30 (STANDARD DUTY CORE) DOORS DATA SHEET

1. General

This door leaf has been tested and is certified by CERTIFIRE as being capable of providing fire resistance of up to 30 minutes insulation (if incorporating not more than 20% glass) and 30 minutes integrity as defined in BS 476: Part 22: 1987, when installed in accordance with the following conditions. Subject to these, the door assemblies would be expected to meet the relevant requirements of BS 5588 for FD30 doorsets when used in accordance with the provisions therein.

In recognition of this the leaf carries a prefixed label on the lower hinge stile head 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 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 Vicaima Ltd. may be considered to meet the requirements in respect of those items.

2. Door Leaf

This leaf may be used in a single-acting, single or double-leaf configuration up to the maximum sizes detailed below:

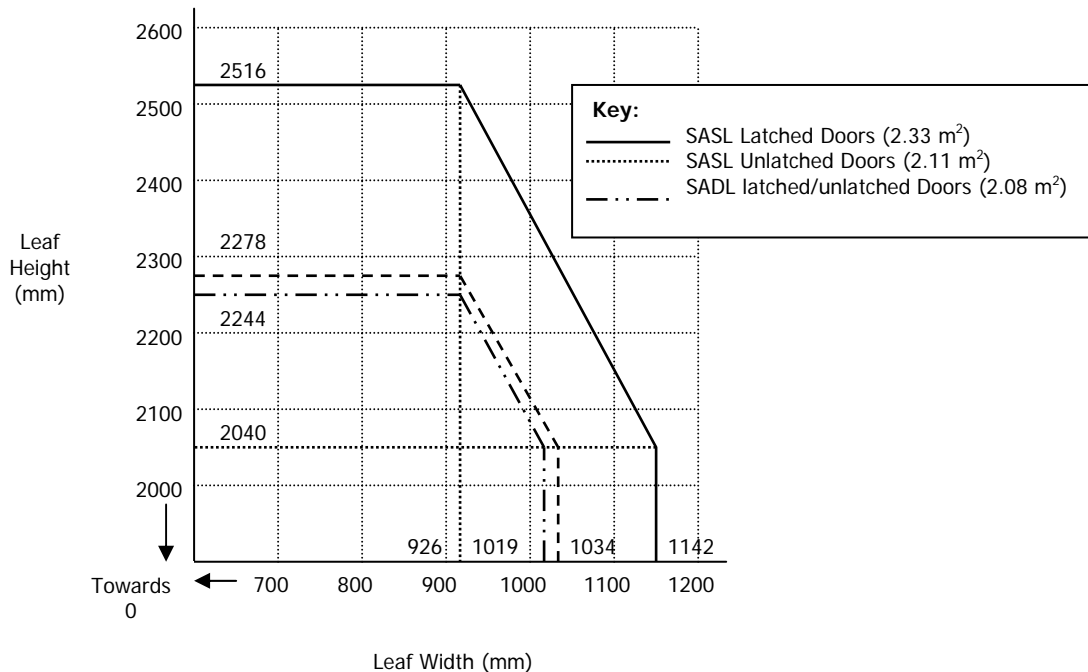


Figure 1. - Maximum Permitted Door Leaf Dimensions



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Table 1. - Maximum Permitted Door Leaf Dimensions

3. Door Frame

Material: Chipboard

Density: 670 kg/m³ ± 20 kg/m³

Section Size: Minimum of 125 mm by 28 mm plus a 40 mm by 15 mm glued pinned or screwed planted stop

Architrave: Minimum of 57 mm by 15 mm deep

Material: MDF

Density: 750 kg/m³ ± 20 kg/m³

Section Size: Minimum of 70 mm by 30 mm plus a 25 mm by 12.5 mm glued, pinned or screwed planted stop

Architrave: Minimum of 57 mm by 15 mm deep

Material: Softwood or Hardwood

Density: 510 kg/m³ minimum

Section Size: Minimum of 70 mm by 30 mm plus a 25 mm by 12.5 mm glued, pinned or screwed planted stop

Architrave: Minimum of 57 mm by 15 mm deep

Material: PVC Clad Softwood

Manufacturer: Boomer Industries Ltd.

Material: Extruded Polyvinyl Chloride P.V.C. on machined softwood sub-frame

Reference: Pre-Hung Door System (P.H.D.)

Thickness: P.V.C. 1.3 mm

Wood 32 mm

Overall Size: 95 mm by 55 mm

Jambs to head

jointing method: P.V.C. Mitred.

Wooden sub-frame tenon joint screwed and glued using 3 number 4 mm by 60 mm long screws per joint

P.V.C. profiles to wooden sub-frame fixings

i. type Staples

ii. material Galvanised mild steel

iii. sizes 10 mm by 1 mm

iv. centres 100 mm nominal

Door to Frame Gaps: Not to exceed 3 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, steel stud or timber stud of minimum thickness 70 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. Glazed Apertures

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

- 6.1. Glass: 6 mm thick Pyroshield
Maximum size: 841 mm high and 607 mm wide subject to 0.42 m² maximum area
Intumescent: Hodgsons Firestrip 30
Dimensions: 12 mm by 3 mm
Beading:
i) Material: Hardwood
ii) Density: 640 kg/m³ (minimum)
iii) Dimensions: 21 mm high by 22 mm wide with 6 mm bolection
iv) Fixings: 50 mm long steel pins at 100 mm maximum centres
v) Sealant: (optional) Hodgson Sealants Silicone Silfix U9 may be used as seal between beads and glass

Or

- Glass: 7 mm thick Pyrodur Plus
Maximum size: 1828 mm high and 768 mm wide subject to 1.22 m² maximum area
Intumescent: Hodgsons Firestrip 30
Dimensions: 12 mm by 3 mm
Beading:
i) Material: Hardwood
ii) Density: 640 kg/m³ (minimum)
iii) Dimensions: 22 mm high by 19 mm wide with 5 mm bolection
iv) Fixings: 38 mm long steel pins at 200 mm maximum centres
v) Sealant: (optional) Hodgson Sealants Silicone Silfix U9 may be used as seal between beads and glass

Hardwood mock beading may be attached to Pyrodur Plus glass with Hodgsons Sealants glazing tape.



6.2 Alternative System: Any CERTIFIRE approved glass or glazing system subject to conditions contained in relevant approval.

7. Intumescent Seals

Position: On centre line of frame head and jamb reveals or in centre of leaf edge at head and stiles. Hinge positions should be bypassed by a 170 mm length of seal as below and hinges bedded onto intumescent mastic **OR** hinges may be fully interrupted and be bedded onto 1 mm thick ISL Therm-A-Strip pad.

Doorset Configuration	Position	Intumescent Specification
Single-Acting, Single-Leaf, Latched	Head	10mm x 4mm ISL Therm-A-Seal in rebate of frame or door leaf edge
	Vertical Edges	10mm x 4mm ISL Therm-A-Seal in rebate of frame or door leaf edge
Single-Acting, Single-Leaf, Unlatched	Head	15mm x 4mm ISL Therm-A-Seal in rebate of frame
	Vertical Edges	15mm x 4mm ISL Therm-A-Seal in rebate of frame
Single-Acting, Double-Leaf	Head	20mm x 4mm ISL Therm-A-Seal in rebate of frame
	Hanging Edges	15mm x 4mm ISL Therm-A-Seal in rebate of frame
	Meeting Edges	15mm x 4mm ISL Therm-A-Seal in each leaf edge
Single-Acting, Single/Double-Leaf with PVC Clad Frame option	Head	20mm x 4mm Lorient Palusol in rebate of frame under PVC cladding
	Hanging Edges	20mm x 4mm Lorient Palusol in rebate of frame under PVC cladding
	Meeting Edges (double-leaf only)	15mm x 4mm ISL Therm-A-Seal in each leaf edge

* Alternative CERTIFIRE approved intumescent seals may be used providing the installation details given in the appropriate certification documents are adhered to.

8. Hinges

Hinges shall comply with 'The Construction Products Regulations (1991)' and 'The Construction Products (Amendment) Regulations (1994)' (which may be demonstrated via EN 1935 and or CE marking), in addition to the specifications below:

Number: 3 No.
 Type: Steel, butt, lift off, journal supported, any washers or ball bearings to be steel unless specified otherwise below
 Size: 100 - 110 mm high (steel)
 150 mm (brass butt type)
 Blade width: 32 - 35 mm.
 Knuckle dia: Maximum 12 mm
 Fixings: Steel screws, minimum 4 No. and 25 mm long.
 Protection: Not required
 Positions: Nominally 150 mm from the head, mid-height and 350 mm from the threshold of the leaf (± 50 mm)



9. Latches

Latches shall be fitted to doors which include glazed areas and where fitted, latches shall conform to Category B of BS 5872, BS3621 or EN 12209 in addition to the specification below:

Mortice type, automatic (sprung) latch bolt.

Maximum case dimensions	:	130 mm high, 90 mm wide by 20 mm thick
Latch bolt material	:	steel
Protection	:	Bedded onto intumescent mastic
Or		
Tubular Latch		
Maximum forend dimensions	:	60 mm high by 25 mm wide
Latch bolt material	:	steel
Protection	:	Not required

No restriction on type and material of handles.

10. Overhead Closers

Not essential for fire performance as doors are to be 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. **Note: closers with mechanical hold-open mechanisms are not permitted to be used.**

11. Further Information

Further information regarding the details contained in this data sheet may be obtained from Vicaima Ltd. (Tel: 01793 532333).

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: 0207 608 5050).