certifire

CERTIFICATE OF APPROVAL
No CF218

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

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	TECHNICAL SCHEDULE
Vicaima FD30 (Standard Duty Core & Heavy Duty Core) Timber Door Assemblies	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: 1st July 1999
Revised: 27th August 2024
Valid to: 6th June 2027

This certificate is the property of Warringtonfire Testing and Certification Limited
Registered in England and Wales
Registered Office: 3rd Floor, Davidson Building, 5 Southampton Street, London, WC2E 7HA. Company Registration No: 11371436

CERTIFICATE No CF218
VICAIMA LIMITED

VICAIMA FD30 TIMBER DOOR ASSEMBLIES

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. 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. 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.

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 doors comprise flaxboard / particleboard cored timber framed leaves in various finishes for use with timber, with intumescent edge seals (ITT FD30).

5. 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.

6. This approval is applicable to latched and unlatched, single-acting, single and double-leaf, ITT assemblies, at leaf dimensions up to those given in Table 1 below:

Door assembly configuration	Max. Height (mm)	Max. Width (mm)	Max. Area (m^2)
Single-Acting, Single-Leaf **Latched**	2516 (at 926 wide)	1142 (at 2040 high)	2.33
Single-Acting, Single-Leaf **Unlatched**	2278 (at 926 wide)	1034 (at 2040 high)	2.11
Single-Acting, Double-Leaf Latched / Unlatched	2244 (at 926 wide)	1019 (at 2040 high)	2.08
Single-Acting, Single-Leaf **Latched – PVC Clad Frame**	2641 (at 813 wide)	1056 (at 2032 high)	2.14
Single-Acting, Double-Leaf **Latched – PVC Clad Frame**	2641 (at 813 wide)	1056 (at 2032 high)	2.14
Table 1			

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

Both leaves of double-leaf assemblies are to be of identical construction and design.

Secondary leaves for unequal pairs shall be a min 50% of the primary leaf width.

The SDC & HDC door assemblies may incorporate MD10, MD20, MD30, MD40 and MD50 HDF facings, minimum 3.3 mm thick, complete with 10 mm wide by 0.8 mm deep grooves.

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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 be as specified in the Data Sheet.

9. The door assembly 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. CF218 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.

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CF218 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, 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 Vicaima 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 and double-leaf, latched and unlatched, assemblies at leaf dimensions up to those detailed within Table 1 below.

Door assembly configuration	Max. Height (mm)	Max. Width (mm)	Max. Area (m^2)
Single-Acting, Single-Leaf **Latched**	2516 (at 926 wide)	1142 (at 2040 high)	2.33
Single-Acting, Single-Leaf **Unlatched**	2278 (at 926 wide)	1034 (at 2040 high)	2.11
Single-Acting, Double-Leaf Latched / Unlatched	2244 (at 926 wide)	1019 (at 2040 high)	2.08
Single-Acting, Single-Leaf **Latched – PVC Clad Frame**	2641 (at 813 wide)	1056 (at 2032 high)	2.14
Single-Acting, Double-Leaf **Latched – PVC Clad Frame**	2641 (at 813 wide)	1056 (at 2032 high)	2.14
Table 1			

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

Both leaves of double-leaf assemblies are to be of identical construction and design.

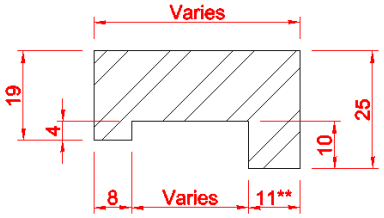
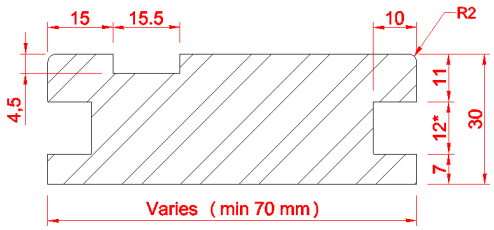
Secondary leaves for unequal pairs shall be a min 50% of the primary leaf width.

The SDC & HDC door assemblies may incorporate MD10, MD20, MD30, MD40 and MD50 HDF facings, minimum 3.3 mm thick, complete with 10 mm wide by 0.8 mm deep grooves.

3. Door Frame

Door to frame gaps:	Not to exceed 3 mm except at threshold where up to 8 mm is permitted.

Door frames to be any of the following:-

Chipboard :	i) Density:	670 kg/m^3 (± 20 kg/m^3)
	ii) Dimensions:	125 mm by 28 mm min.
	iii) Door Stop:	40 mm by 15 mm, glued, pinned, or screwed.
	iv) Architrave:	57 mm by 15 mm minimum
	v) Jointing	Butt joints, mortice and tenon, mitred or half lapped joints with the head screw fixed to the jambs using two steel screws
MDF	i) Density:	750 kg/m^3 (± 30 kg/m^3)
	ii) Dimensions:	70 mm by 30 mm min.
	iii) Door Stop:	25 mm by 12.5 mm, glued, pinned, or screwed.
	iv) Architrave:	57 mm by 15 mm minimum
	v) Jointing	Butt joints, mortice and tenon, mitred or half lapped joints with the head screw fixed to the jambs using two steel screws
MDF linings may incorporate grooves, in order to accommodate tongued architraves as detailed below. The tongues are to be bonded into the grooves using PVA adhesive, with the architraves further pin fixed, in accordance with the manufacturer's installation details.		
Tongued Architrave  **Tolerance applicable is ±0.25 mm		**Grooved frame lining**  *Tolerance applicable is -0mm / +0.5 mm

Softwood / Hardwood	i) Density:	510 kg/m^3 min.
	ii) Dimensions:	70 mm by 30 mm min.
	iii) Door Stop:	25 mm by 12.5 mm, glued, pinned, or screwed.
	iv) Architrave:	57 mm by 15 mm minimum
	v) Jointing	Butt joints, mortice and tenon, mitred or half lapped joints with the head screw fixed to the jambs using two steel screws

PVC Clad Softwood	i) Manufacturer:	Boomer Industries Ltd	
	ii) Material:	Extruded Polyvinyl Chloride P.V.C. on machined softwood sub-frame	
	iii) Reference:	Pre-Hung Door System (P.H.D.)	
	iv) Thickness:	P.V.C.	1.3 mm
		Wood	32 mm
	v) Dimensions	95 mm by 55 mm minimum overall	
	vi) Jointing:	P.V.C.	Mitred
		Wood	tenon joint screwed & glued using 3No. 4 mm by 60 mm long screws per joint
	vii) PCV to sub frame fixings	Galvanised mild steel staples, 10 mm by 1 mm at nominal 100 mm centres	

4. Supporting Construction

The door assemblies are approved to be installed in brick, block, masonry, timber or steel stud supporting constructions of minimum overall thickness 70 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.

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.

Where brick, block, masonry walls are plasterboard faced, the plasterboard adjacent to the door assembly shall be mechanically fixed to ensure that it remains in-situ for the required integrity period.

5. Installation

The opening may be lined with softwood or hardwood which shall be continuous and of minimum width, 70mm. 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. Timber based architraves are optional with no restrictions on material, size or fixing.

Door assemblies shall 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.

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 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 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

All apertures to be factory prepared by Vicaima Limited, or a CERTIFIRE approved Licensed Door Processor. No site cutting of apertures permitted as this will invalidate the certification.

Door may incorporate CERTIFIRE approved glazing systems subject to the conditions contained within the relevant CERTIFIRE certificate (e.g., maximum size associated with glass, system, edge cover, aperture lining requirements, etc.) and the maximum pane dimensions given below (whichever is smaller):

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 1.22 m^2 per leaf

Margins: 125 mm from the perimeter edge, 125 mm between apertures

Maximum Permitted Aperture Dimensions		
Max. Height (mm)	**Max. Width (mm)**	**Max. Area (m^2)**
1828 (at 668 wide)	768 (at 1589 high)	1.22

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

Double-leaf door assemblies with equal width leaves shall both be similarly glazed.

Non–Insulating Glasses: 6 mm Pyroshield 2 or 7 mm Pyrodur Plus glass, or other CERTIFIRE approved glass subject to the conditions of the glass certificate.

Intumescent System	Glass	Bead Dimensions	Bead Density	Fixings	Max. Height (mm)	Max. Width (mm)	Max. Area (m^2)
Hodgsons Firestrip 30 12 mm x 3 mm Hodgson Sealants Silfix UP silicone may be used between beads and glass	Pyroshield 2	21 mm high by 22 mm wide with a 6 mm bolection.	Hardwood min. 640kg/m^3	50 mm long steel pins at max 100 mm centres	841 (at 499 wide)	607 (at 692 high)	0.42
Hodgsons Firestrip 30 12 mm x 3 mm Hodgson Sealants Silfix UP silicone may be used between beads and glass	Pyrodur Plus	22 mm high by 19 mm wide with a 5 mm bolection. Ladder beading to Pyrodur glass permitted using Hodgson Sealants glazing tape.	Hardwood min. 640kg/m^3	38 mm long steel pins at max 200 mm centres	1828 (at 668 wide)	768 (at 1589 high)	1.22
Lorient Polyproducts Ltd Foamed Glazing Graphite 15 mm x 2 mm	Pyroshield 2	22.5 mm high by 22 mm wide with a 6 mm bolection.	Hardwood min. 640kg/m^3	50 mm long steel pins at max 150 mm centres	710 (at 535 wide)	590 (at 644 high)	0.38

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

Chipboard / Softwood / Hardwood frames – ISL Therm-A-Flex Seals

Door assembly Configuration	Position	Required Intumescent Protection
Single-acting, Single-leaf **Latched**	Head	Single 10 mm wide by 4 mm thick ISL Therm-A-Seal in rebate of frame or door leaf edge
	Vertical edges	Single 10 mm wide by 4 mm thick ISL Therm-A-Seal in rebate of frame or door leaf edge

Note: MDF Frames cannot be used in conjunction with 10 mm wide by 4 mm thick intumescent seals

Chipboard / MDF / Softwood / Hardwood frames – ISL Therm-A-Flex Seals

Door assembly Configuration	Position	Required Intumescent Protection
Single-acting, Single-leaf **Unlatched**	Head	Single 15 mm wide by 4 mm thick ISL Therm-A-Seal in rebate of frame
	Vertical edges	Single 15 mm wide by 4 mm thick ISL Therm-A-Seal in rebate of frame
Single-acting, Double-leaf Latched / Unlatched **(Option 1)**	Head	Single 20 mm wide by 4 mm thick ISL Therm-A-Seal in rebate of frame
	Hanging edges	Single 15 mm wide by 4 mm thick ISL Therm-A-Seal in rebate of frame
	Meeting edges	Single 15 mm wide by 4 mm thick ISL Therm-A-Seal in each meeting edge (opposing)

Chipboard / MDF / Softwood / Hardwood frames – Lorient Type 617 Seals

Door assembly Configuration	Position	Required Intumescent Protection
Single-acting, Double-leaf Latched / Unlatched **(Option 2)**	Head	Single 15 mm wide by 4 mm thick Lorient Type 617 in rebate of frame
	Hanging edges	Single 15 mm wide by 4 mm thick Lorient Type 617 in rebate of frame
	Meeting edges	2 No.10 mm wide by 4 mm thick Lorient Type 617 to the meeting edge of the primary leaf only (positioned centrally, 10 – 12 mm apart)

Chipboard / MDF / Softwood/ Hardwood frames – Pyroplex FO8700/FO8500

Door assembly Configuration	Position	Required Intumescent Protection
Single-acting, Double-leaf Latched / Unlatched **(Option 3)**	Frame Head	Single 15 mm wide by 4 mm thick Pyroplex intumescent from the FO8700 range of options
	Frame Jambs	Single 15 mm wide by 4 mm thick Pyroplex intumescent from the FO8700 range of options
	Meeting edges	2 No.10 mm wide by 4 mm thick Pyroplex intumescents from the FO8500 range of options to the meeting edge of the primary leaf only (positioned centrally, 10 – 12 mm apart)

PVC Clad Frames

Door assembly Configuration	Position	Required Intumescent Protection
Single-acting, Single-leaf Latched / Unlatched **PVC Clad Frame**	Head	Single 20 mm by 4 mm thick Lorient LP2004 Palusol seal in rebate of frame concealed under PVC cladding
	Vertical edges	Single 20 mm by 4 mm thick Lorient LP2004 Palusol seal in rebate of frame concealed under PVC cladding
Single-acting, Double-leaf Latched / Unlatched **PVC Clad Frame**	Head	Single 20 mm by 4 mm thick Lorient LP2004 Palusol seal in rebate of frame concealed under PVC cladding
	Vertical edges	Single 20 mm by 4 mm thick Lorient LP2004 Palusol seal in rebate of frame concealed under PVC cladding
	Meeting edges	Single 15 mm wide by 4 mm thick ISL Therm-A-Seal in each meeting edge (opposing)

Intumescents shall be positioned on the centre line of frame head and jamb reveals or in the centre of leaf edge at head and stiles.

Hinge positions shall be bypassed by an additional 170 mm length of seal in accordance with the specification in the table above, and hinges shall be bedded onto intumescent mastic.

Alternatively, hinges may fully interrupt intumescent seals when bedded onto 1mm thick ISL Therm-A-Strip pads.

Seals may be interrupted at latch positions.

Latched or unlatched, single acting, single-leaves with maximum leaf dimensions 2040 mm high by 926 mm wide and of a minimum thickness of 43 mm may utilise alternative Intumescents in-line with the relevant CERTIFIRE approval for the proposed intumescent seal. All seals to be CERTIFIRE approved to Technical Schedule 35.

All other door assembly configurations should include the specific intumescent size type and location as specified within the data sheet.

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:	Minimum 3 No. hinges		
Type:	Steel lift off or butt hinges.		
Positions:*	Top Hinge:	Max 200 mm from the top of the door to top hinge.	
	Middle Hinge:	Middle hinge fitted centrally in the leaf height.	
	Bottom.	Max 400 mm from the bottom of the door to bottom hinge	
Dimensions:	blade height:	Steel hinges:	110 mm (- 10%)
		Brass hinges:	150 mm (+/- 0 mm) – Butt hinge only
	Blade width:	35 mm (+0 / -3 mm)	
	Thickness:	3 mm (+/- 0.5 mm)	
	Knuckle dia.:	12 mm (+/- 0 mm)	
Fixings:	Quantity:	4No. steel screws (minimum)	
	Size:	No.10 by 25 mm long (minimum).	
Intumescent Protection**	Intumescent paste if hinges are bypassed by 170 mm length of intumescent strip as detailed in section 7.		
	1 mm thick ISL Therm-A-Strip pads to all hinge blades where perimeter intumescents are fully interrupted at hinge positions.		

* The datum in all cases is the centreline of the hinge.

** The hinge specification above overrides any requirement for additional intumescent identified in the hinge manufacturer's certification providing the hinge specification falls within the parameters identified in the table 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 in the table above (excluding the tolerances stated). Where the Certifire approved hinge exceeds the specification given in the table 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 manufacture's CERTIFIRE certificate shall apply.

9. Locks and Latches

Locks / latches are not necessary. When fitted locks / latches shall be CE Marked for use on 30 minute timber fire doors.

Mortice type, automatic (sprung) latch bolt.

Max. case dimension:	130 mm high by 90 mm deep by 20 mm wide
Max. forend dimension:	150 mm high by 20 mm wide
Max. keep dimension:	150 mm high by 20 mm wide (excluding latch plate)
Latchbolt material:	Steel or material with a melting point greater than or equal to 850°C
Position:	Max. 1100 mm from bottom of door to centreline of lockcase
Intumescent: protection*	Latch cases, forend and strike plate to be bedded onto 1 mm intumescent mastic, or 1 mm thick Interdens intumescent sheet material.
	Tubular latches with forend dimensions of maximum 60 mm high by 25 mm wide and a steel latchbolt do not require intumescent protection.

* The lock specification above overrides any requirement for additional intumescent identified in the lock manufacturer's certification providing the lock/latch specification falls within the parameters identified in the table 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 in the table above and subject to the conditions contained within the relevant certificate. Where the Certifire approved lock/latch exceeds the specification given in the table 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 shall result in a tight fit, allowing for the intumescent protection specified.
- No restriction on type and material of face fixed mechanical lever handles and knobs providing these are wholly surface mounted (with the exception of the spindle and fixing holes) and the spindle hole is a maximum 16 mm in diameter
- The Euro profile cylinder recess in the door face shall follow the shape of the cylinder and result in a tight fit.
- The use of oval profile cylinders is not permitted.

10. 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.

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. Where doors are unlatched a minimum size 3 shall be maintained.

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

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 Concealed Overhead Closers

The use of Hoppe Arrone AR7383 concealed closers is permitted in accordance with the following specification requirements / approved scope:

Leaf Thickness: Minimum 44 mm thick

Maximum Leaf Sizes				
Door Assembly Configuration		**Max. Leaf Height (mm)**	**Max. Leaf Width (mm)**	**Max Area (m^2)**
Single-Acting, Single-Leaf	Latched	2516 mm (at 926 mm wide)	1142 mm (at 2040 mm high)	2.33 m^2
		2278 mm (at 926 mm wide)	1034 mm (at 2040 mm high)	2.11 m^2

Frame Specification		
Material:	Hardwood	
Density:	Minimum 650kg/m^3	
Dimensions:	Lining:	Minimum 88 mm wide by 30 mm thick
	Planted Stop:	Minimum 12.5 mm thick

Intumescent Specification		
Perimeter Intumescent:	ISL, Therm-A-Seal, 15 mm by 4 mm thick seal fitted centrally within the frame rebate to jambs and head	
Intumescent Protection:	1 mm thick Interdens sheet is required to fully line the mortices cut into the top edge of the door leaf and the frame head to accommodate the closer body and guide arm channel.	
Dimensions:	Lining:	Minimum 88 mm wide by 30 mm thick
	Planted Stop:	Minimum 12.5 mm thick

The Hoppe Arrone AR 7383 closer body shall be mounted within the top edge of the door leaf only and the guide arm channel shall be mounted within the frame head only.

10c Transom Mounted Closers

Not permitted

10d 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 following basis:

- < 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

Flush bolts may be fitted to one leaf at the meeting edges of double leaf doorsets in line with the specification below:

Maximum case dimensions:	160 mm high, 14 mm wide by 12 mm deep
Latch bolt material:	steel
Protection:	1 mm Therm-A-Strip fitted to each face of rebate

Note: the following specification must also be complied with when doorsets are fitted with flush bolts:

- When fitted, flush bolts MUST be fully engaged. Suitable signage must be applied to the door specifying this requirement. Approval of doorsets is invalidated if flush bolts are fitted but are disengaged
- Doorsets fitted with flush bolts are only approved when the door frame comprises hardwood with a minimum density of 700kg/m^3. The frame jambs may be manufactured from alternative CF218 compliant frame materials but should any material other than hardwood be used for the frame head as previously specified this approval will be invalidated.

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 fixings are of steel and maximum bolt to bolt centres do not exceed 1000 mm.

A maximum 15 mm diameter recess is permitted for through bolt fixings.

Bolt through fixings will require intumescent protection in the form of a 1 mm thick graphite tube, or Intumescent mastic to the full depth of the recess.

11d 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.

11e Air transfer grilles

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

Where apertures are pre-cut by Vicaima 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 door assembly.

11f Door Viewers

A door viewer may be fitted into the leaf providing the viewer comprises a metal sleeve and an optical glass lens and is not positioned higher than 1590 mm from the bottom edge of the door leaf. The door viewer should have an external barrel diameter of not greater than 14 mm and be tightly fitted within the leaf. The aperture provided for the installation of the viewer should be lined with intumescent mastic or 1 mm Interdens / Graphite intumescent sheet material.

The use of the UAL Limited door viewer referenced CVPLMPSS is specifically approved in accordance with the previous door viewer requirements stated above.

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

11h Dropseals

Door assemblies may incorporate CERTIFIRE approved dropseals to the bottom edge of the door leaf. The CERTIFIRE approved dropseals may be surface mounted or fully morticed. Where fully morticed the dropseals will have maximum dimensions of 35 mm high by 15 mm wide.

Where dropseals are fitted, the recess for a dropseal may be formed on site by NON-CERTIFIRE approved staff. Care must be taken to ensure all fitting instructions are followed, including any constraints imposed by the CERTIFIRE certificate.

Note: Threshold gaps as stated in Section 3 are to be maintained

11i Electric Strikes / Electromechanical locks

Not permitted

12. Further Information

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

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