CERTIFICATE OF APPROVAL
No CF 5976

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

MASTERDEC LIMITED
6 Broughton Road, London, SE28 0AG
Tel: 07595 663038

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
Masterdec FD30 - ITT Doorset	**TS10 Fire Resisting Pedestrian Type Hinged or Pivoted Door assemblies with Non-Metallic Leaves**

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager

Issued:	9th June 2021
Revised:	7th August 2023
Valid to:	8th June 2026

CERTIFICATE No CF 5976
MASTERDEC LIMITED

MASTERDEC LIMITED – FD30 ITT DOORSET

This approval relates to the use of the above doorsets 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 doorsets would be expected to meet the relevant requirements of BS 9999 for FD30 doorsets 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 doorsets 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 doors comprise cellulosic cored leaves in various finishes for use with timber frames, with intumescent edge seals (ITT FD30).

4. This approval is applicable to complete doorsets. Where the doorset 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 doorset.

5. This approval is applicable to latched, single-acting, single-leaf, ITT Doorsets, at leaf dimensions up to those given in Table 1 below:

Doorset configuration	Max. Height (mm)	Max. Width (mm)	Max. Area (m^2)
Single-Acting, Single-Leaf Latched	2040 (at 926 wide)	926 (at 2040 high)	1.89
Table 1.			

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

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6. 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.

7. Hardware items, including closing devices and intumescent fire seals, shall be 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 CERTIFIRE design, or approved by CERTIFIRE, referencing CERTIFIRE and CERTIFIRE Ref. No. CF5976 and FD30 classifications resistance shall be affixed to each door in the prescribed position.

10. 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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MASTERDEC LIMITED – FD30 ITT DOORSET
CF 5976 DATA SHEET

1. General

This doorset 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 doorset will meet the relevant requirements of BS 9999 for FD30 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 doorset. Doorsets supplied pre-fitted with components by Masterdec 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-leaf, latched, unglazed ITT doorsets, at leaf dimensions up to those detailed within Table 1 below.

Doorset configuration	Max. Height (mm)	Max. Width (mm)	Max Area (m^2)
Single-Acting, Single-Leaf Latched	2040 (at 926 wide)	926 (at 2040 high)	1.89

Table 1.

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

3. Door Frame

To be any of the following:-

Hardwood	i) Density:	520 kg/m^3 min.
	ii) Dimensions:	95 mm wide by 31 mm min.
	iii) Door Stop:	14 mm deep pinned, screwed, or rebated from solid. Where the stop is rebated from solid the overall frame thickness must be increased by 14 mm to accommodate the 14 mm rebate depth.
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 mm, except at the threshold where up to 6 mm is permitted.	

4. Overpanels

Framed overpanels incorporating a transom rail 31 mm thick minimum, excluding stops, may be included up to a maximum height of 1000 mm.

The transom rails are to be hardwood with a minimum density 520kg/m^3.

Framed overpanels are to be manufactured as per the door leaf specification. Panels should be bedded against beads or the stop of the rebate and be screw fixed at minimum 400 mm centres.

Entire framed overpanel may be glazed in accordance with point 5 below.

5. Glazed Fanlights

Fanlight / Sidelight Framing:		
Material:	Hardwood	
Density:	510 kg/m^3 minimum	
Dimensions:	95 mm wide by 45 mm thick with a 50 mm wide by 20 mm deep rebate	
Jointing Method:	Housing joint, with additional screw fixings at each joint.	
Fixing Method:	To Supporting construction:	5 mm Ø by 100 mm long steel woodscrews at maximum 400 mm centres, maximum 100 mm from the corners.
	To Doorset	5 mm Ø by 50 mm long steel woodscrews at maximum 150 mm centres, maximum 150 mm from the corners.
	To Fanlight / Sidelight	5 mm Ø by 50 mm long steel woodscrews at maximum 150 mm centres, maximum 150 mm from the corners.

Coupled Fanlight / Sidelight Fixings:	
Description:	Steel CSK head wood screws
Dimensions:	5 mm Ø by 50 mm long
Position:	Screwed at 150 mm centres, 150 mm from the corners.

Fanlight / Sidelight – Glazing		
Configuration:	**Pyroguard EI30 INT**	
Thickness:	15 mm	
Maximum pane dimensions:	Fanlight:	262 mm high (at 1090 wide) or 1362 mm wide (at 210 mm high) Max area 0.29 m^2
	Sidelight:	2462 mm high (at 260 mm wide) or 325 mm wide (at 1970 mm high) Max area 0.64 m^2
Nominal edge clearance:	5 mm	

Setting Blocks:	
Material:	Hardwood
Density:	510 kg/m^3 minimum
Overall size:	5 mm high by 10 mm wide by 5 mm thick
Fixing Method:	Loose

Glazing System:	
Supplier:	Sealmaster
Description:	Intumescent foam glazing Tape
Dimensions:	15 mm by 5 mm
Fixing Method:	Self-adhesive, applied to rebate and glazing bead perimeter (both sides of the glass)

Glazing Beads:	
Reference:	Splayed Flush Bead
Material:	Hardwood
Density:	510 kg/m^3 minimum
Dimensions:	20 mm by 25 mm
Fixing Method:	4 mm Ø by 40 mm long steel screws, at maximum 150 mm centres, maximum 50 mm in from the corners.

Decorative beading / moulding to sidelights only:	
Material:	Softwood or hardwood
Density:	510 kg/m^3 minimum
Dimensions:	44 mm wide by 25 mm thick
Location:	Maximum 960 mm from the threshold to the top of the beading / moulding
Fixing Method:	Screw fixed through the back of the sidelight framing.
Note:	Decorative beading / moulding shall not be applied to fanlights

6. Supporting Construction

The doorsets are approved to be installed in brick, block, masonry, timber, or steel stud of minimum thickness 95 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 doorsets 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.

7. Installation

The opening may be lined with softwood or hardwood which shall be continuous and of minimum width, 95 mm. 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.

Doorsets 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): 3 mm
- Top: 3 mm
- Bottom: Unlimited.

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 Masterdec 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 vision panels to the maximum cut out sizes identified in the table below & in accordance with glazing option 1 & 2:

Area:	Maximum total glazed area of 0.56 m^2 per leaf Maximum total glazed area of 0.56 m^2 per vision panel
Margins:	155 mm minimum from the top door leaf edge. 123 mm minimum from the vertical door leaf edges. 153 mm minimum between vision panels

Glass Option 1:	Pyroguard EI30 INT
Thickness:	15 mm
Maximum aperture cut out dimensions (prior to lining):	Max height of 1116 mm (at 502 mm wide) or Max width of 627 mm (at 893 mm high) Max area of 0.56 m^2
Nominal edge clearance:	5 mm
Aperture Lining:	
Material:	Hardwood
Density:	510 kg/m^3 minimum
Overall size:	6 mm thick by 44 mm wide
Fixing Method:	8No. (2No per aperture side) steel pins at 32 mm long
Glass Spacer:	
Material:	Hardwood
Density:	510 kg/m^3 minimum
Overall size:	15 mm wide by 5 mm thick
Fixing Method:	Loose
Glazing System:	
Manufacturer:	Sealmaster
Description:	Therm-A-Strip
Overall size:	10 mm by 2 mm
Fixing Method:	Self-adhesive, applied between the glass and the glazing bead perimeter (both sides of the glass)
Glazing Beads:	
Reference:	Splayed Bolection Bead
Material:	Hardwood
Density:	510 kg/m^3 minimum
Dimensions:	25 mm high by 23 mm wide with 15 degree splay and 10 mm high by 10 mm wide bolection overhang
Fixing Method:	Minimum 4 mm Ø by 40 mm long steel screws, at maximum 100 mm centres, maximum 150 mm in from the corners, fixed at 15° to the glass.
Setting blocks:	
Material:	Hardwood
Density:	510 kg/m^3 minimum
Overall size:	15 mm wide by 10 mm deep by 5 mm thick
Location:	10 mm in from the corners to both horizontal and vertical edges.
Fixing Method:	Loose

Glass Option 2:	Pyrobel 16EG	
Thickness:	21 mm	
Maximum aperture cut out dimensions (prior to lining):	**Configuration A**	**Configuration B**
Max. Height:	1116 mm high (at 502 mm wide)	1604 mm high (at 225 mm wide)
Max. Width:	627 mm wide (at 893 mm high	262 mm wide (at 1375 mm high)
Max. Area	0.56 m^2	0.36 m^2
Nominal edge clearance:	5 mm	
Aperture Lining:		
Material:	Hardwood	
Density:	640 kg/m^3 minimum	
Overall size:	5 mm thick by 44 mm wide	
Fixing Method:	Steel pins at 36 mm long at max 200 mm centres	
Glass Spacer:		
Material:	Hardwood	
Density:	640 kg/m^3 minimum	
Overall size:	21 mm wide by 15 mm long by 5 mm thick	
Fixing Method:	Loose	
Glazing System:		
Manufacturer:	Sealmaster	
Description:	Black closed cell foam glazing tape	
Overall size:	12 mm by 4 mm	
Fixing Method:	Self-adhesive, applied between the glass and the glazing bead perimeter (both sides of the glass)	
Glazing Sealant:		
Manufacturer:	No Nonsense	
Description:	Neutral Cure Builders Silicone	
Overall size:	4 mm by 3 mm capping	
Fixing Method:	Capping applied to the glass on the internal and external faces.	
Glazing Beads:		
Reference:	Splayed Bolection Bead	
Material:	Hardwood	
Density:	640 kg/m^3 minimum	
Dimensions:	30 mm high by 15 mm wide with 20 degree splay and 5 mm high by 7 mm wide bolection overhang	
Fixing Method:	Minimum 4 mm Ø by 60 mm long steel screws, at maximum 150 mm centres, maximum 150 mm in from the corners, fixed at 30° to the glass.	
Setting blocks:		
Material:	Hardwood	
Density:	510 kg/m^3 minimum	
Overall size:	15 mm wide by 10 mm deep by 5 mm thick	
Location:	10 mm in from the corners to both horizontal and vertical edges.	
Fixing Method:	Loose	

9. Intumescent Seals

CERTIFIRE certificated intumescent seals are required to be fitted to these doors as below.

For doorsets to BS476: Part 22 – classified as FD30 – CERTIFIRE APPROVED

Doorset Configuration	Position	Required Intumescent Protection
Single-acting, Single-leaf Latched	Frame Head	1No 15 mm wide by 4 mm thick CERTIFIRE approved intumescent seal, positioned 16 mm from the opening face of the frame, within the frame rebate.
	Frame Jambs	1No 15 mm wide by 4 mm thick CERTIFIRE approved intumescent seal, positioned 16 mm from the opening face of the frame, within the frame rebate.

*See Table 1 for size restrictions.

The intumescent seal may be fully interrupted at the hinge and lock keep positions.

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

10. Door frame Seals

The Schlegel® Q-Lon seal referenced Aquamac 21 may be fitted within the frame jambs and head, mounted on the stop such that the door leaf closing face contacts the seal when the door is in the closed position.

11. Hinges

Hinges shall be CE marked against EN 1935 for use on 30 minute timber fire door assemblies in accordance with the following specification:

Number:	Minimum 3 No. hinges	
Type:	Steel lift off or butt hinges.	
Positions:*	Top Hinge:	Max 205 mm from the top of the door to top hinge.
	Middle Hinge:	Middle hinge fitted centrally in the leaf height (+/- 50 mm)
	Bottom.	Max 320 mm from the bottom of the door to bottom hinge
Dimensions:	blade height:	102 mm (+/- 20%)
	Blade width:	31 mm (+/- 2 mm)
	Thickness:	3 mm (+/- 0.5 mm)
	Knuckle dia.:	13 mm (+/- 1 mm)
Fixings:	Quantity:	5No. steel screws (minimum)
	Size:	30 mm long (minimum).
Intumescent Protection**	2 mm thick by minimum 13 mm wide Interdens intumescent sheet material to all hinge blades.	

* 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.

12. Locks and Latches

It is a requirement of CF5976 that the door leaves are latched.

CF5976 door assemblies may be fitted with Winkhaus AV2, or Fullex SL 16 Crimebeater multipoint locks in accordance with the following specifications:

Option 1		
Supplier/description:	Fullex SL 16 Crimebeater Multipoint lock (supplied with 3No keeps)	
Reference:	SL 16 lock with CRB0004-KE central and top/bottom keeps	
Case dimensions:	Central:	227 mm high by 60 mm deep by 15 mm wide
	Top & Bottom:	135 mm high by 42 mm deep by 15 mm wide
Keep dimension:	Central:	222 mm high by 44.5 mm wide by 15.5 mm deep
	Top & Bottom:	180 mm high by 34 mm wide by 21.5 mm deep
Forend dimensions:	1710 mm high by 20 mm wide by 2.5 mm thick	
Position:	1050 mm from bottom of door to centreline of central lock case spindle.	
Lock Configuration:	Central:	Engaged latchbolt
	Top & Bottom:	Engaged / disengaged hook bolts
Cylinder:	Euro profile Single cylinder, double cylinder or cylinder / thumbturns shall be suitable for use on FD30 fire resistant assemblies in accordance with BS EN 1303.	
Intumescent protection:	Lock cases:	All 3No lock cases to be fully wrapped with a 1 mm thick Graphite intumescent sheet material.
	Forend:	None required
	Keeps:	All 3No keeps to bedded on 1 mm thick Graphite intumescent sheet material.
Fixings:	Lock	Forend fixed with 10No. 6 mm Ø by 30 mm long CSK steel wood screws
	Keeps:	Central keep fixed with 7No. 5 mm Ø by 25 mm long CSK steel wood screws & top & bottom hook fixed with 5No. 5 mm Ø by 25 mm long CSK steel wood screws.

Option 2		
Supplier/description:	Winkhaus STV AV2 Multipoint lock (supplied with 3No keeps)	
Reference:	Winkhaus STV AV2 with central keep and top/bottom hook keeps	
Case dimensions:	Central:	185mm high by 78 mm deep by 16.5 mm wide
	Top & Bottom:	113 mm high by 48 mm deep by 16.5 mm wide
Keep dimension:	Central:	235 mm high by 24 mm wide by 45 mm deep
	Top & Bottom:	180 mm high by 24 mm wide by 45 mm deep
Forend dimensions:	1770 mm high by 20 mm wide by 3 mm thick	
Position:	1050 mm from bottom of door to centreline of central lock case spindle.	
Lock Configuration:	Central:	Engaged latchbolt
	Top & Bottom:	Engaged hook bolts
Cylinder:	Euro profile Single cylinder, double cylinder or cylinder / thumbturns shall be suitable for use on FD30 fire resistant assemblies in accordance with BS EN 1303.	
Intumescent protection:	Lock cases:	All 3No lock cases to be fully wrapped with a 1 mm thick intumescent kit referenced INT(1)AV2/3KIT by Norseal.
	Forend:	None required
	Keeps:	All 3No keeps to bedded on a 1 mm thick intumescent kit referenced INT(1)AV2/3KIT by Norseal.
Fixings:	Lock	Forend fixed with 10No. 4 mm Ø by 50 mm long CSK steel wood screws
	Keeps:	Central keep fixed with 3No. 4 mm Ø by 50 mm long CSK steel wood screws & top & bottom keeps fixed with 4No. 4 mm Ø by 50 mm long CSK steel wood screws

Alternatively, door assemblies will include a single point lock / latch, CERTIFIRE approved for use on 30 minute timber fire doors, in accordance with the following specification:

Case dimensions:	227 mm high by 75 mm deep by 15 mm wide	
Keep dimension:	222 mm high by 24 mm wide	
Forend dimensions:	235 high by 20 mm wide by 2.5 mm thick	
Position:	1050 mm from bottom of door to centreline of central lock case spindle.	
Lock Configuration:	Engaged latchbolt required	
Cylinder:	Euro profile Single cylinder, double cylinder or cylinder / thumbturns shall be suitable for use on FD30 fire resistant assemblies in accordance with BS EN 1303.	
Intumescent protection:	Lock case:	Lock case to be fully wrapped with 1 mm thick Graphite intumescent sheet material.
	Forend:	None required
	Keep:	Keep to be bedded on 1 mm thick Graphite intumescent sheet material.
Fixings:	As supplied by the lock / latch manufacturer	

- Recessing for locks shall result in a tight fit, allowing for 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 15 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.
- Single cylinder recesses shall penetrate through only half the thickness of the door leaf.
- The use of roller catches is not permitted.

13. Self-Closing Devices

All doorsets are required to be fitted with a CERTIFIRE certificated self-closing device. The exceptions are doors kept locked shut such as service access doorsets. 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.

13a Surface mounted overhead closers

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

13b Transom Mounted

Not permitted

13c Floor Springs

Not permitted

13d Concealed Closers

Not permitted

14. Ancillary items

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

14a 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.

14b Flushbolts

Not permitted

14c 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.

14d Door Viewers

Frelan door viewers referenced JV944SC may be fitted into the leaf providing the viewer is not positioned higher than 1510 mm from the bottom edge of the door leaf.

Alternative door viewers may be fitted into the leaf providing the viewer comprises a metal sleeve and an optical glass lens and is not positioned higher than 1510 mm from the bottom edge of the door leaf.

The door viewer shall be tightly fitted within the leaf and shall have an external barrel diameter of not greater than 10 mm.

The aperture provided for the installation of the door viewer shall be lined with 3 mm thick graphite intumescent sheet material, to be wrapped around the viewer body to the full thickness of the door leaf.

14e 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.
- The items are not fitted to the recessed panelled areas of the door leaf.

14f Dropseals

Doorsets may incorporate CERTIFIRE approved dropseals with maximum dimensions of 35 mm high by 14 mm wide to the bottom edge of the door leaf.

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

14g Air transfer grilles

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

Where apertures are pre-cut by Masterdec 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.

14h 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.

Letterplates are to be positioned centrally within the leaf width, in a horizontal orientation only

14i. Electric Strikes / Electromechanical locks

Not permitted

14j. Planted Mouldings

Door leaves may incorporate wholly surface mounted planted mouldings to one face providing the mouldings do not cover more than 25% of the door face.

Door leaves may also incorporate wholly surface mounted planted mouldings to both faces providing the mouldings do not cover more than 25% in total when combining the area of planted mouldings applied to both door faces.

Where mouldings are applied to one or both faces the mouldings shall not increase the mass of the door leaf by more than 25%.

The mouldings shall be softwood/hardwood (min 450kg/m^3) or MDF (min 610 kg/m^3) and of any profile and shall be fixed to the door faces using steel pins maximum 30 mm long as required.

15. Further Information

Further information regarding the details contained in this data sheet may be obtained from Masterdec Limited (Tel: 07595 663038).

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