

CERTIFICATE OF APPROVAL

No. ME0115

This is to certify that the referenced products of

Middle East Metal and Wood Industries Co Ltd.

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have been assessed against the requirements of the *warringtonfire – mideast certification scheme* and are approved for use within the scope of the test and/or assessment report(s) referenced.

Mineral Composite Based FD120 Doorsets

**120 Minutes Integrity and 108 Minutes Insulation Performances
 In Accordance With BS 476: Part 22: 1987**

Assessment Report Reference	Valid Until
Report WF No. 173490	1 st February 2014

Approved Maximum Door Leaf Dimensions			
Configuration	Leaf Height (mm)	Leaf Width (mm)	Leaf Area (m ²)
Latched, Single-Acting, Single-Leaf, 62 mm thick	2330 (At 1045 wide)	1150 (At 2119 high)	2.44
Latched, Single-Acting, Double-Leaf, 62 mm thick <small>(note: inactive leaf flush bolted top & bottom, active leaf latched to inactive leaf at mid-height)</small>	2650 (At 1045 wide)	1306 (At 2119 high)	2.44

Intumescent Specification		
Intumescent Type	Intumescent Reference	Position
Exposed Intumescent Strip	45 mm by 3 mm thick BASF Palusol	Single strip self adhered into a groove located within the rebate of the vertical and head sections of the frame. Interrupted at the strike plate and hinge positions
Concealed Intumescent Strip	50 mm by 3.9 mm thick BASF Palusol	Fitted behind the door leaf lippings to the head and both vertical edges

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Frame and Hardware Specification	
Door Frame	Hardwood and Georgia Pacific 'Firestop' mineral composite construction, 150 mm by 50 mm, with 65 mm by 20 mm deep rebate (hardwood minimum density 650 kg/m ³)
Hinges	'Vantage' stainless steel butt type hinges, 102 mm x 35 mm x 3 mm thick (blade size) Hinge blades to be bedded on 3 mm thick Palusol intumescent sheet
Lockset	'Vantage 772E x 60 mm' mortice sashlock '430114.01.3'. 235 mm long x 24 mm wide (forend size). Lock body to be wrapped with 3 mm thickness of Palusol intumescent sheet. 3 mm thick Palusol to be fitted beneath lock forend and strike plate. Fitted with appropriate steel lever type handles
Flush Bolts	'Vantage' stainless steel flush bolts 170 mm high by 25 mm wide. 3 mm thick Palusol to be fitted behind each bolt. (Double doors only)
Tolerances	All door leaves should be accurately fitted within the frame with an absolute maximum door gap (between the leaf and frame or leaf to leaf) of 3 mm

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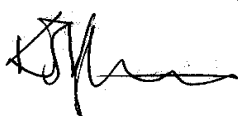
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Glazing Specification (where included)	
Glass type	5.8 mm thick 'Firelite' ceramic glass
Sight sizes (maximum)	198 mm wide by 748 mm high
Glazing gasket	Lorient Polyproducts System 90
Door aperture lining	2 mm thick Palusol intumescent sheet to all sides of the aperture
Beading	'Thermax SN750' 23 mm high by 24 mm wide with a 6 mm by 3 mm bolection return and a 40° chamfer
Bead fixings	Steel pins 25 mm long fixed through the face of the door leaf. 4 no. pins at 200 mm centres along vertical beads. 2 no. pins along horizontal beads at 75 mm in from corners

Certification is awarded on the basis of initial type testing and assessment to BS 476: Part 22: 1987, initial inspection and ongoing surveillance of factory production control, and ongoing compliance with the scheme requirements including the use of labels supplied by Bodycote **warringtonfire**. The currency of the certification may be verified at www.warringtonfire.net/mideast

Signed for and on behalf of Warrington Certification



Sir Ken Knight
Chairman - Management Council

Issued: 6th February 2009
Valid to: 5th February 2014