

CERTIFICATE OF APPROVAL
No. ME0197

This is to certify that the referenced products of

Abanos Furniture Industries and Decoration LLC

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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.

Abanos Furniture Industries and Decoration LLC FD 60 & 90 Composite Doorsets

60 & 90 Minutes Integrity Performance In Accordance With BS 476: Part 22: 1987

Assessment Report Reference	Valid Until
WF Test Report No. 184963	25 th October 2014
WF Test Report No. 184965	30 th July 2014

Fire Performance	Doorset configuration	Maximum Leaf Height (mm)	Maximum Leaf Width (mm)	Area (m ²)
90 minutes	Single-acting, Single-leaf, (Latched) 54 mm thick Leaf	2402 (at 1102 wide)	1102 (at 2402 high)	2.65
60 minutes	Single-acting, Double-leaf*, (Latched & bolted) 54 mm Leaf	2402 (at 1008 wide)	1008 (at 2402 high)	2.42

* Maximum overall dimensions of double-leaf doors is 2000 x 2402 mm (with each leaf size: 1008 x 2402 mm high)

- (1) Under no circumstances must either the maximum height, maximum width or maximum area be exceeded without separate approval.

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Door Specification																	
Door frame	Minimum 150 x 54 mm hardwood section with integral 15 x 90 mm stop. Minimum density of 650 kg/m ³ .																
Door Gaps	Gaps between door and frame shall be 3mm ± 1mm. Leaf to cill gaps shall not exceed 6 mm.																
Glazed Openings	Not permitted.																
Supporting construction	The door assemblies are approved to be installed in brick, block, masonry, steel or timber stud of minimum thickness 70mm, providing at least 60 or 90 minutes fire resistance, as required.																
Latches	Forend: 235 mm long x 20 mm wide Strike: 186 mm long x 26 mm wide Material: Steel Bedding material: 1.8 mm thick Pyroplex graphite intumescent sheet, around lock case, behind forend plate and strike plate																
Hinges	Hinges shall be CE marked for use on fire resisting timber doors, in addition to the specifications below: Number: 4 No. per leaf (minimum) Type: Steel butt, journal supported fixed or loose pin. Any washers or ball bearings to be of steel. Position: 150 mm from the head of the leaf, and 250 mm from the base of the door leaf and positioned equidistant between these positions. Dimensions: <table style="margin-left: 20px; border: none;"> <tr> <td>i)</td> <td>Height</td> <td>-</td> <td>108 mm</td> </tr> <tr> <td>ii)</td> <td>Blade width</td> <td>-</td> <td>36 mm</td> </tr> <tr> <td>iii)</td> <td>Thickness</td> <td>-</td> <td>3 mm</td> </tr> <tr> <td>iv)</td> <td>Knuckle dia.</td> <td>-</td> <td>14mm</td> </tr> </table> Fixings: Steel screws, minimum 4 No. and no smaller than 32 mm long. Intumescent material: 1.8 mm thick Pyroplex graphite intumescent sheet, around lock case, behind forend plate and strike plate. Any other CERTIFIRE approved hinges may be utilised subject to the conditions contained within the relevant certificate.	i)	Height	-	108 mm	ii)	Blade width	-	36 mm	iii)	Thickness	-	3 mm	iv)	Knuckle dia.	-	14mm
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iii)	Thickness	-	3 mm														
iv)	Knuckle dia.	-	14mm														
Flushbolts	Manufacturer: Union Reference: X8055-200 Material: Steel Bedding material: Not required																

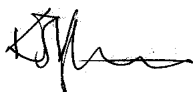
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Intumescent Seals	Manufacturer: Pyroplex Reference: Flexible seal (8983) Dimensions: 40 x 2.5 mm Position: Central within rebate of frame
	Manufacturer: Pyroplex Reference: Rigid box seal – fire and smoke Dimensions: 20 x 4 mm Position: Central within bottom edge of leaf
	Manufacturer: Pyroplex Reference: Flexible seal (8983) Dimensions: 30 x 2.5 mm Position: Central within the meeting edge of the passive leaf (double-doors only)
Overhead Closers	To be previously successfully tested, assessed by Warringtonfire or CERTIFIRE approved.
Installation	Each door frame jamb to be fixed to the wall at not less than four points with steel or nylon frame fixings screwed and plugged at maximum 600mm centres and penetrating the wall to at least 50 mm. Architrave is optional with no restrictions on material, size or fixing.
	Fitting to be carried out in accordance with BS 8214: 1990, Table 3.

Certification is awarded on the basis of initial type testing 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 Warringtonfire MidEast. 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: 12th January 2010
Valid to: 11th January 2015