CERTIFICATE OF APPROVAL
No. ME0220

This is to certify that the referenced products of

HUYA MODERN VENTILATION & INSULATION SYSTEMS FACTORY

2nd Industrial Area, PO Box 284, Dammam 31411, Saudi Arabia
Tel: + 966 13 833 3315 Fax: + 966 13 833 3347
Web site: www.huyapir.com

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

HUYA PIR Ducting Panel

The product, a flame retardant grade polyisocyanurate foam insulation board having two identical faces of lacquered, decoratively embossed aluminium foil is fully described in the test reports listed below, and in Annex 1 to this Certificate of Approval.

This Approval has been prepared from test data summarised below and derived from the test reports referenced below. Full details of the product, justification for the conclusions given, along with validity statements are given in those reports.

Test Evidence

WF Report No: 183509	BS 476: Part 6: 1989	Fire propagation index,	I	=	8.3
		subindex,	i_1	=	3.8
		subindex,	i_2	=	3.4
		subindex,	i_3	=	1.1
WF Report No: 183510	BS 476: Part 7: 1997	Class 1 surface spread of flame			

Polyisocyanurate Core Covered With Aluminium Foil

The flame retardant grade polyisocyanurate foam insulation board, has been appraised as having a Class 0 performance when fire tested and assessed by warringtonfire to BS 476: Part 6: 1989 'Method of test for fire propagation of products' and BS 476: Part 7: 1997 'Surface spread of flame test for materials' as defined in paragraph A13(b) of Approved Document B, `Fire Safety', to the Building Regulations 2006.

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Certification is awarded on the basis of initial type testing to BS 476: Part 6 & BS 476: Part 7, initial inspection and ongoing surveillance of factory production control, and ongoing compliance with the scheme requirements including labelling of the product as specified. 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: 31st March 2014
Valid to: 30th March 2019

Annex 1

General description		Foil faced polyisocyanurate (PIR) foam
Product reference of composite		"Polyisocyanurate Core Covered With Aluminium Foil"
Thickness of composite		20 mm
Weight per unit area of composite		1.2 kg/m^2
Product component configuration		• Embossed aluminium foil • Adhesive • Foam core • Adhesive • Embossed aluminium foil
Embossed aluminium foil	Product reference	"Embossed Aluminium Foil For Rigid Polyisocyanurate Panels"
	Generic type	Aluminium strip, mill finish, temper: soft, one side transparent lacquered, opposite side lacquered with gold translucent priming wash for uniform foam adherence.
	Name of manufacturer	**See Note 2 Below**
	Weight per unit area	166.20±13.7g/m^2
	Thickness	60µm
	Flame retardant details	**See Note 1 Below**
Foam core	Product reference	"Polyisocyanurate (PIR)"
	Generic type	Polyisocyanurate (PIR) - advanced form of polyurethane (PUR)
	Detailed description / composition details	Polyisocyanurate foam The sponsor was unwilling to provide any further information
	Name of manufacturer	HUYA PIR INSULATION FACTORY
	Density	48 kg/m^3
	Thickness	20±0.5 mm
	Flame retardant details	**See Note 2 Below**
Brief description of manufacturing process		Continuous dispensing foam lamination.

Note 1. The sponsor of the test was unable to provide this information.

Note 2. The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the report and are instead held on the confidential file relating to this investigation