CERTIFICATE OF APPROVAL
No CF 5246

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

HUYA MODERN VENTILATION & INSULATION SYSTEMS FACTORY

2ND INDUSTRIAL AREA, P.O.BOX: 284, DAMMAM 31411
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www.huyapir.com

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
HUYA PIR Ducting Panel See annex 1 for further product information	**TS19 Class 0 / Class 1 (BS)**

Signed and sealed for and on behalf of CERTIFIRE

Sir Ken Knight
Chairman - Management Council

Issued: 21st May 2014
Valid to: 20th May 2019

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1. This approval relates to the use of the above construction product. The product has shown a fire performance of Class 0 (BS) in accordance with the requirements of Technical Schedule 19.

2. This approval does not cover other features such as durability, impact resistance, water absorption etc

3. The construction product is approved on the basis of:
   i) Initial type testing
   ii) Audit testing at the frequency as specified in Clause 11 – TS 19.
   iii) Inspection and surveillance of factory production control
   iv) Certification under ISO 9001; 2008

4. This approval is applicable to the following product family:

   HUYA PIR Ducting Panel

5. The construction product shall be mounted and fixed in accordance with manufacturers instructions.

6. Markings to the CERTIFIRE design referencing INTERPLAST CO LTD, CERTIFIRE and CERTIFIRE Ref. No. CF5246 shall be affixed to each construction product in the prescribed position.

7. This approval relates to ongoing 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 where appropriate.

8. 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.

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Test Evidence

BS 476: part 6 Test Results:

Formal test data – WF 183509

Fire propagation index, I	= 8.3
Sub index, i_1	= 3.8
Sub index, i_2	= 3.4
Sub index, i_3	= 1.1

Indicative test data: - WF 336649

Fire propagation index, I	= 4.92
Sub index, i_1	= 3.02
Sub index, i_2	= 1.69
Sub index, i_3	= 0.21

BS 476: Part 7 test results

Formal test data – WF 183510

All results show <50mm flame travel

Indicative test data – WF 336650

All results show <50mm flame travel

The product has been appraised as having a Class 0 performance when fire tested and assessed by Exova 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.

Certification is awarded on the basis of initial type testing to BS 476: Part 6 & BS 476: Part 7, as appropriate, 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 http://www.warringtonfire.net/certifire.

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Field Of Application

In accordance with the guidance in Approved Document B of the Building Regulations fro England and Wales 2006, a material with a fire performance classification of Class 0 may be used in the following areas within a building:

1. Wall and Ceiling Linings for unprotected escape routes and rooms
2. Above fire resistant suspended ceilings
3. On external surfaces of multi-storey buildings

The product may be used in the following purpose groups:

1. Residential dwellings
2. Residential institutions
3. Offices
4. Shops and commercial buildings
5. Assembly buildings and recreational buildings
6. Industrial buildings
7. Storage buildings

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Annex 1

General description		Foil faced polyisocyanurate (PIR) foam
Product reference of coated composite		
Thickness of composite		20 mm and more
Weight per unit area of coated product		1.2 kg/m^2 and more
Product configuration		• Embossed aluminium foil • Adhesive • Foam core • Adhesive • Embossed aluminium foil
Embossed aluminium foil	Generic type	Aluminium strip, mill finish, temper: soft, one side transparent lacquered, opposite side lacquered with gold translucent priming wash for uniform foam adherence.
	Thickness	60 – 200 µm
	Density	2720 kg/m^3
Core	Generic type	Polyisocyanurate (PIR) - advanced form of polyurethane (PUR)
	Detailed description / composition details	**See Note 1 below**
	Name of manufacturer	HUYA MODERN VENTILATION & INSULATION SYSTEMS FACTORY
	Density	45 - 48 kg/m^3
	Thickness	20±0.5 mm and more
Brief description of manufacturing process		Continuous dispensing foam lamination.

Note 1. 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.

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