
CERTIFICATE OF APPROVAL

No. ME0086

This is to certify that the referenced products of

P3 GULF LLC
P.O. BOX 116145
UNITED ARAB EMIRATES
Tel: + 0971 (0) 4 8802033
Fax: + 0971 (0) 4 8803619

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.

12SP21

P3 Insulated Duct Panel, 80/80, 20mm

The product, a polyurethane foam insulation board faced on both sides with an embossed aluminium foil facing 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: 169353	BS 476: Part 6: 1989	Fire propagation index, I=	8.8
		subindex, i ₁	= 3.9
		subindex, i ₂	= 3.8
		subindex, i ₃	= 1.1
WF Report No: 169354	BS 476: Part 7: 1997	Class 1 surface spread of flame	

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The polyurethane 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.

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 www.warringtonfire.net/mideast.

Field Of Application

In accordance with the guidance in Approved Document B of the Building Regulations from 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) In roof spaces
- 3) In semi exposed and exposed car parks
- 4) In shafts and concealed spaces
- 5) Above fire resistant suspended ceilings
- 6) As pipe insulation (not including penetration seals)
- 7) As duct insulation (not including penetrations)
- 8) As insulation to machinery
- 9) On external surfaces of multistorey buildings
- 10) As insulation between non combustible and limited combustible materials used to fabricate walls, ceilings and roofs. It may NOT be used in the core of panels used in the following buildings, areas of buildings or applications:
 - cooking areas
 - hot areas
 - bakeries
 - fire breaks in combustible panels
 - fire stopping panels
 - general fire protection

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The product may be used in the following purpose groups:

- a) Residential dwellings
- b) Residential institutions
- c) Offices
- d) Shops and commercial buildings
- e) Assembly buildings and recreational buildings
- f) Industrial buildings
- g) Storage buildings

Signed for and on behalf of Warrington Certification



Sir Ken Knight
Chairman - Management Council

Issued: 22nd January 2008
Revised: 20th February 2009
Valid to: 21st January 2013

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Annex 1

General description		Polyurethane foam insulation board faced on both sides with an embossed aluminium foil facing
Product reference		"12SP21-P3 Insulated Duct Panel, 80/80, 20mm"
Overall thickness		20mm (stated by sponsor) 20.17mm (determined by Bodycote warringtonfire)
Overall weight per unit area		1.4kg/m ² (stated by sponsor) 1.38kg/m ² (determined by Bodycote warringtonfire)
Name of manufacturer		P3 Gulf LLC
Product configuration		Facing Insulation Facing
Facing	Product reference	See Note 1 below
	Generic type	Embossed aluminium foil facing incorporating the word "P3" over it's surface
	Name of manufacturer	P3 Gulf LLC
	Colour	"Aluminium"
	Thickness	80 microns
	Weight per unit area	230g/m ²
	Flame retardant details	The aluminium facing is inherently flame retardant
Bonding process to apply aluminium facing to insulation		The aluminium foil facing is auto adhesively bonded to the insulation during the manufacturing process
Insulation	Product reference	"Piral Panel"
	Generic type	Expanded polyurethane foam
	Name of manufacturer	P3 Gulf LLC
	Thickness	20mm
	Density	48kg/m ³
	Colour	"Blue"
Flame retardant details		See Note 1 below
Brief description of manufacturing process		During a continuous production cycle, components of the foam (which are sprayed onto the lower aluminium foil) pass from the liquid to the solid state, thus reaching the required thickness and auto adhesively bonding to both aluminium foil faces.

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