

**Summary of Listing for warringtonfire – mideast  
Listing No. 016**

**PAL Middle East L.L.C. 'PAL Panel, Aluminium Foil Faced Polyurethane Foam Board'**

**Scope of Assessment**

This Assessment Summary has been prepared by warringtonfire and is a summary of the Class 0 summary report referenced below. Full details of the product, justification for the conclusions given, along with validity statements are given in that report and the supporting test reports.

This summary sheet covers PAL Panel 100, incorporating a proprietary aluminium foil faced polyurethane foam board with varnish coated embossed aluminium foil facings to both sides as previously 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'.

The aluminium faced polyurethane foam has been appraised as having a Class 0 performance

Assessment Report Reference	Period of Validity
WF Report Nos 149750 and 149751	Until 1 <sup>st</sup> November 2010

**Table 1: Assessed PAL Panel**

**Aluminium Foil Faced Polyurethane Foam Panel**

The product shall consist of a flame retardant grade polyurethane foam insulation board faced on both sides with a coated, decoratively embossed aluminium foil facing. The aluminium foil facing shall be coated with a clear uv protective polyester varnish and shall be 80 microns thick. In addition to the embossment, foil facing shall have areas of its surface that are not embossed forming the word "PAL" distributed at regular intervals over the surface of the facing. The foil facing shall be adhered to the polyurethane foam core using the adhesive for which WF have been provided with details. The foam shall be a 'CFC' and 'HCFC' free flame retardant grade polyurethane foam board. The foam shall be 21mm thick and have a density of 50 kg/m<sup>3</sup>.

**Table 2: Test Results from BS476 Parts 6 and 7**

Test Method	Classification Results
<b>BS 476: Part 6: 1989</b>	Fire propagation index, I = 5.3
	subindex, i <sub>1</sub> = 1.3
	subindex, i <sub>2</sub> = 3.0
	subindex, i <sub>3</sub> = 1.1
<b>BS 476: Part 7: 1997</b>	Class 1 surface spread of flame

## Opinion

**We consider the results of the tests detailed above demonstrate that the product, PAL Panel, as tested, complies with the requirements for Class 0, as defined in paragraph A13(b) of Approved Document B, 'Fire Safety', to the Building Regulations 2000.**

*This Summary is based upon a Class 0 summary report, as referenced above, prepared by warringtonfire. Full details of the panel construction and justification for the conclusions given, along with validity statements, are given in the Class 0 summary report.*

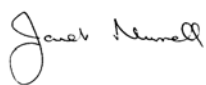
*This Summary has been compiled between **warringtonfire** and **PAL Middle East L.L.C.** It is intended to provide a brief outline of the above report and not to replace it.*

Full copies of the Class 0 summary report may be obtained from:

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**Responsible Officer**

**J M Murrell\* - Technical Manager**



**Approved**

**C W Miles\* - Mid-East Product Listing Manager**

\* For and on behalf of warringtonfire.