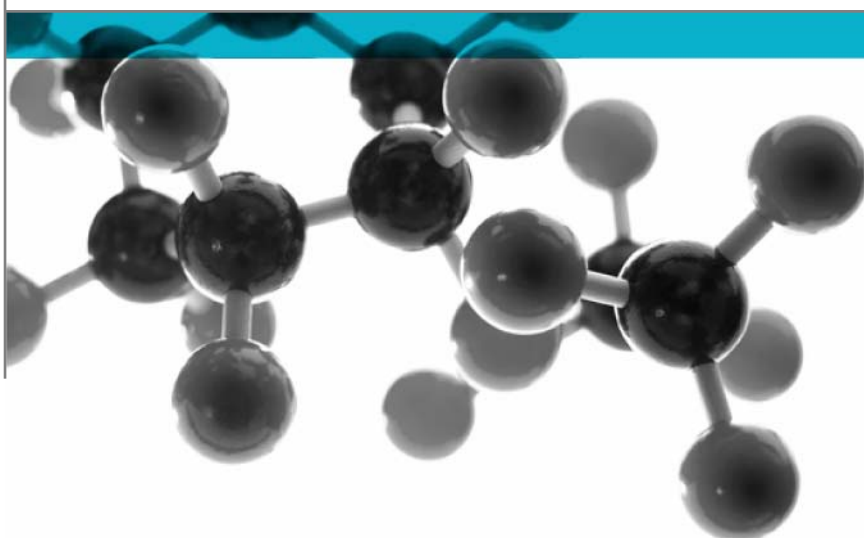


# Class 0 Summary Report



**Including Opinion Of Compliance With The Requirements For A Class 0 Surface As Defined In Paragraph A13(b) Of Approved Document B (Volumes 1 & 2), (2006 Edition) 'Fire Safety' To The Building Regulations 2000**

**Date:** 14<sup>th</sup> January 2014

**Issue No.:** 1

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A Report To: Quin Global UK Ltd

Document Reference: 336119 & 336120

**Testing  
Advising  
Assuring**

## Executive Summary

### Objective

To assess the results of tests to BS 476:Part 6:1989+A1: 2009 and BS 476:Part 7:1997, obtained on specimens of the following product and to provide an opinion of compliance with the requirements for a Class 0 surface, as defined in Approved Document B to the Building Regulations 2000.

Generic Description	Product reference	Thickness	Weight per unit area or density
A flame retardant (FR) grade high pressure laminate adhered to an aluminium substrate	"FR Class '0' Bonding"	4.2mm	8.85kg/m <sup>2</sup> *
<b>Individual components used to manufacture composite:</b>			
Laminate	Unable to provide	1.2mm	Unable to provide
Adhesive	"LP61"	Unwilling to provide	Not stated
Substrate	Unable to provide	3mm	Unable to provide
<b>*Determined by Exova Warringtonfire</b>			
<b>Please see page 5 of this test report for the full description of the product tested</b>			

### Test Sponsor

Quin Global UK Ltd, Unit 1 Ruthvenfield Ave, Inveralmond Industrial Estate, Perth, PH1 3 WB



### Opinion:

We consider the results of the tests to BS 476:Part 6:1989+A1: 2009 and BS 476:Part 7: 1997, demonstrate that the product, 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.

### Date of Test

17<sup>th</sup> & 18<sup>th</sup> December 2013

## Signatories

	
Responsible Officer C. Meachin * Acting Technical Officer	Authorised S. Deeming * Operations Manager

\* For and on behalf of **Exova Warringtonfire**.

Report Issued: 14<sup>th</sup> January 2014

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## Test Details

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**Terms Of Reference** To assess the results of tests to BS 476:Part 6:1989+A1: 2009 and BS 476:Part 7:1997, obtained on specimens of a product and to provide an opinion of compliance with the requirements for a Class 0 surface, as defined in Approved Document B to the Building Regulations 2000.

**Introduction** Specimens of a product have been tested in accordance with the test methods specified in BS 476: Part 6: 1989+A1: 2009 'Method of test for fire propagation for products' and BS 476: Part 7: 1997 'Method of test to determine the classification of the surface spread of flame of products'. The results of the tests are fully reported in the **Exova Warringtonfire** test reports No's. 336119 and 336120.

This summary test report has been prepared at the request of the sponsor and relates the results of the tests to the requirements for a Class 0 surface of a material or composite product, as defined in paragraph A13(b) of Approved Document B, 'Fire Safety', to the Building Regulations 2000.

This summary should be read in conjunction with, and not accepted as a substitute for, the **Exova Warringtonfire** test reports No's. 336119 and 336120. Those test reports may include additional information which may be relevant to the assessment of the potential fire hazard of the product.

**Face subjected to tests** The specimens were mounted in the test positions such that the decorative face was exposed to the heating conditions of the tests.

**Results of test** The following results were obtained for the specimens, which were tested.

<b>BS 476: Part 6: 1989</b>	Fire propagation index, I	=	2.8
	subindex, $i_1$	=	0.1
	subindex, $i_2$	=	2.5
	subindex, $i_3$	=	0.2

**BS 476: Part 7:  
1997** Class 1 surface spread of flame

The test results relate only to the behaviour of the test specimens of the product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential hazard of the product in use.

## Description of Test Specimens

The description of the specimens given below has been prepared from information provided by the sponsor of the test. All values quoted are nominal, unless tolerances are given.

General description		A flame retardant (FR) grade high pressure laminate adhered to an aluminium substrate
Product reference of overall composite		"FR Class '0' Bonding"
Name of manufacturer of overall composite		Quin Global
Thickness of overall composite		4.2mm (stated by sponsor) 3.61mm (determined by <b>Exova Warringtonfire</b> )
Weight per unit area of overall composite		8.85kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )
Laminate	Generic type	FR Laminate
	Product reference	<b>See Note 1 below</b>
	Detailed description / composition details	FR - high pressure laminate
	Name of manufacturer	<b>See Note 2 below</b>
	Thickness	1.2mm
	Density / weight per unit area	<b>See Note 1 below</b>
	Colour reference	"Matt Grey"
	Flame retardant details	<b>See Note 1 below</b>
Adhesive	Generic type	High heat resistance contact spray adhesive <b>See Note 2 below</b>
	Product reference	"LP61"
	Name of manufacturer	Quin Global
	Colour reference	"Orange"
	Application rate / thickness	<b>See Note 2 below</b>
	Application method	Spray
	Flame retardant details	<b>See Note 2 below</b>
	Curing process	Air dry
Substrate	Generic type	Aluminium
	Product reference	<b>See Note 1 below</b>
	Name of manufacturer	<b>See Note 1 below</b>
	Thickness	3mm
	Density / weight per unit area	<b>See Note 1 below</b>
	Colour reference	"Silver"
	Flame retardant details	This component is inherently flame retardant
Brief description of manufacturing process		Apply adhesive to the substrate and laminate, allow drying for 1-3 minutes bring the 2 faces together and apply sufficient pressure.

**Note 1 - The sponsor was unable to provide this information.**

**Note 2 - The sponsor was unwilling to provide this information.**

The description of the specimens as given above is not as detailed as would usually be the case for descriptions included in **Exova Warringtonfire** test reports and the description may not fully comply with the requirements of the test standard. In all other respects however the tests were conducted fully in accordance with the requirements of the test standard and the test results are valid.

## Classification

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### Opinion

We consider the results of the tests detailed above demonstrate that the product, 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.

### Validity of opinion

This opinion is based on the requirements of the Building Regulations at the date of this report. If the Building Regulations are revised or amended in any way subsequent to that date, care must be taken to ensure that this opinion is not invalidated by those revisions or amendments.

The opinion has been formulated on the assumption that the specimens are representative of the product in practice. **Exova Warringtonfire** was not involved in any sampling or selection procedures which would confirm this or in any audit testing which would provide confidence in the consistency of the product in the tests.

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## Revision History

Issue No :	Re-issue Date:
Revised By:	Approved By:
Reason for Revision:	

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