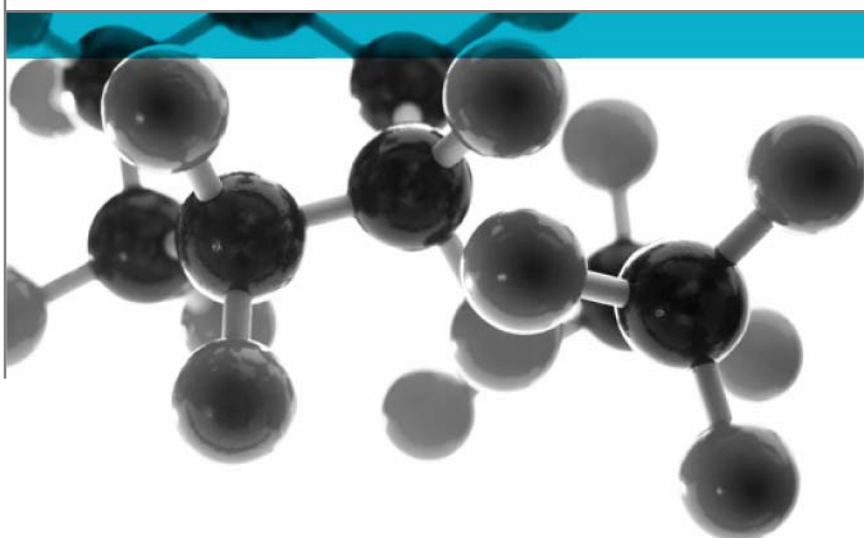


Class 0 Summary Report



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: 5th June 2017

Issue No.: 1

Page 1

A Report To: Aquabond Limited

Document Reference: 342554 & 342555

**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
Matt polyvinyl chloride (PVC) laminate adhered to a mild steel substrate	"Matt Laminate"	3.27mm	7.7g/cm ³
Individual components used to manufacture composite:			
Film	"Matt PVC"	70 microns	130g/cm ³
Adhesive	"Permanent High Tack"	30 microns	Not stated
Substrate	"Steel plate"	3mm	7.85g/cm ³
Please see page 5 of this test report for the full description of the product tested			

Test Sponsor Aquabond Limited, Unit 5A Christleton Court, Manor Park, Runcorn, WA7 1ST.

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 1st & 2nd June 2017

Signatories

	
Responsible Officer C. Meachin * Technical Officer	Authorised T. Mort * Senior Technical Officer

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

Report Issued: 5th June 2017

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Test Details

Terms Reference Of 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. 342554 and 342555.

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. 342554 and 342555. Those test reports may include additional information which may be relevant to the assessment of the potential fire hazard of the product.

The specimens were tested with an airgap positioned behind the product as described in test report No. 342554 and test report No. 342555.

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

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

BS 476: Part 6: 1989	Fire propagation index, I	=	0.0
	subindex, i_1	=	0.0
	subindex, i_2	=	0.0
	subindex, i_3	=	0.0

BS 476: Part 7: 1997	Class 1 surface spread of flame
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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		Matt polyvinyl chloride (PVC) laminate adhered to a mild steel substrate
Product reference		"Matt Laminate"
Name of manufacturer		Aquabond Limited
Overall thickness of composite		3.27mm (stated by sponsor) 3.16mm (determined by Exova Warringtonfire)
Overall density of composite		7.7g/cm ³ (stated by sponsor) 7.28g/cm ³ (determined by Exova Warringtonfire)
Film	Generic type	PVC
	Product reference	"Matt PVC"
	Detailed description	Monomerically plasticized matt transparent PVC
	Name of manufacturer	See Note 1 Below
	Thickness	70 microns
	Density	130g/cm ³
	Colour reference	"Transparent With Matt Embossing"
	Flame retardant details	See Note 2 Below
Adhesive	Generic type	Waterborne acrylic
	Product reference	"Permanent High Tack"
	Name of manufacturer	See Note 1 Below
	Application thickness	30 microns
	Application method	See Note 2 Below
	Flame retardant details	See Note 2 Below
	Curing process	See Note 2 Below
Substrate	Generic type	Mild steel
	Product reference	"Steel plate"
	Thickness	3mm
	Density	7.85g/cm ³
	Name of manufacturer / supplier	See Note 1 below
	Flame retardant details	This component is inherently flame retardant
Brief description of manufacturing process		See Note 2 below

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.

Note 2: The sponsor was unwilling to provide this information.

Classification

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

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Reason for Revision:	

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