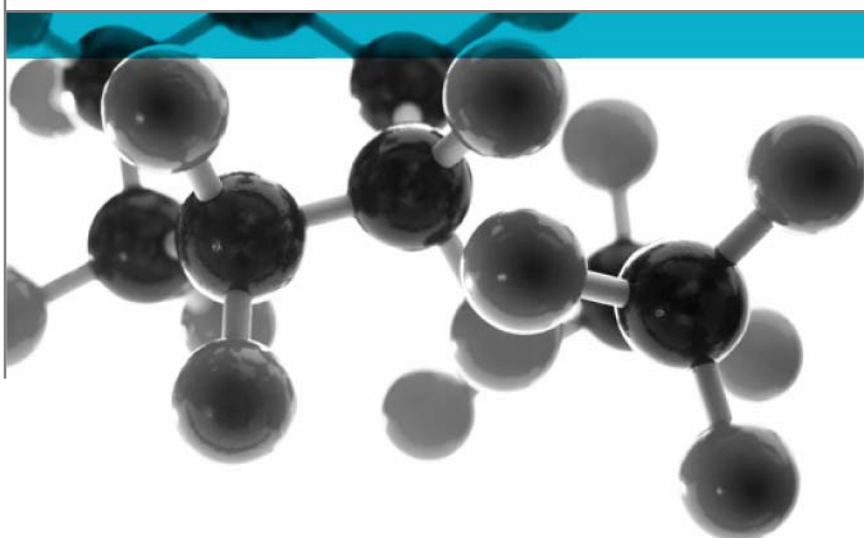


Class 0 Summary Report



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: 29th March 2012

Issue No.: 1

Page 1

A Report To: MRC Systems FZE

Document Reference: 315994 & 315995

**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 gel-coated glass reinforced laminate panel	"MRC 1200 Systems"	4mm	6.0kg/m ²
Individual components used to manufacture composite:			
Gel-coat			
Resin			
Glass reinforcement			
Please see page 5 of this test report for the full description of the product tested			

Test Sponsor MRC Systems FZE, Jebel Ali Free Zone, P.O. Box 17264, Dubai, United Arab Emirates

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 28th February, 1st & 2nd March 2012

Signatories

	
Responsible Officer T. Benyon * Technical Officer	Authorised S. Deeming * Operations Manager

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

Report Issued: 29th March 2012

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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 315994 and 315995.

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 315994 and 315995. 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 315994 and test report No 315995.

Face subjected to tests The specimens were mounted in the test positions such that the gel-coated 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	=	8.7
	subindex, i_1	=	2.0
	subindex, i_2	=	5.7
	subindex, i_3	=	1.0

**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 gel-coated glass reinforced laminate panel	
Product reference		"MRC 1200 Systems"	
Name of manufacturer		MRC Systems FZE	
Colour reference		"RAL 9010"	
Overall thickness		4mm (stated by sponsor) 4.08mm (determined by Exova Warringtonfire)	
Overall weight per unit area		6.0kg/m ² (stated by sponsor) 5.71kg/m ² (determined by Exova Warringtonfire)	
Moulded Sheet	Gel-coat	Generic type	Polyester
		Product reference	
		Name of manufacturer	
		Colour	"RAL 9010"
		Application rate	
		Application thickness	
		Application method	
		Flame retardant details	See Note 1 below
	Resin	Generic type	Polyester
		Product reference	
		Name of manufacturer	
		Flame retardant details	See Note 1 below
	Glass reinforcement	Type	
		Product reference	
		Number of layers	
		Weight per unit area of each layer	
		Name of manufacturer	
	Resin to glass ratio (by weight)		
	Percentage glass reinforcement (by weight)		
	Curing process (duration and temperature)		3 hours at 80°C
Brief description of manufacturing process		Hand layup lamination	

Note 1: The sponsor of the test was unable 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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