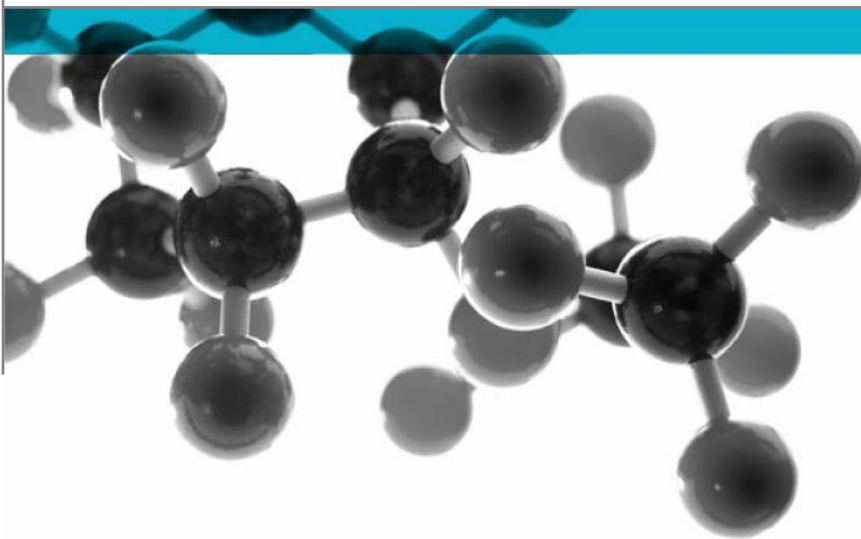


Class 0 Summary Report



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: 14th February 2017

Issue No.: 1

Page 1

A Report To: MACtac UK Limited

Document Reference: 376378 & 379507

**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 or application rate	Weight per unit area or density
Self-adhesive film applied to an aluminium substrate	"WW300"	2.07mm *	5.43kg/m ² *
Individual components used to manufacture composite:			
Self-adhesive film	"WW300"	270 microns	300g/m ²
• Film	Unwilling to provide	90 microns	Unable to provide
• Adhesive	Unwilling to provide	Unwilling to provide	Not applicable
Aluminium substrate	Unable to provide	1.92mm *	2.77g/cm ³ *
* determined by Exova Warringtonfire			
Please see page 5 of this test report for the full description of the product tested			

Test Sponsor

MACtac UK Limited, 37 Tenter Road, Moulton Park, Northampton. NN3 6AX


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

22nd November 2016 and 10th February 2017

Signatories



Responsible Officer
 C. Meachin *
 Technical Officer



Authorised
 B. Dean *
 Technical Leader

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

Report Issued: 14th February 2017

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Test Details

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. 376378 and 379507.

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. 376378 and 379507. 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 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+A1: 2009	Fire propagation index, I	=	0.1
	subindex, i_1	=	0.0
	subindex, i_2	=	0.1
	subindex, i_3	=	0.0

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		Self-adhesive film applied to an aluminium substrate	
Thickness of overall composite		2.07mm (determined by Exova Warringtonfire)	
Weight per unit area of overall composite		5.43kg/m ² (determined by Exova Warringtonfire)	
Self-adhesive film	Product reference	"WW300"	
	Name of manufacturer	MACtac Europe S.A.	
	Thickness	270 microns	
	Weight per unit area	300 g/m ²	
	Film	Generic type	Matt polyvinyl chloride (PVC) film
		Product reference	See Note 1 below
		Name of manufacturer	See Note 1 below
		Thickness	90 microns
		Weight per unit area	See Note 2 below
		Colour reference	"White"
		Flame retardant details	See Note 2 below
	Adhesive	Generic type	Opacified permanent acrylic adhesive
		Product reference	See Note 1 below
		Name of manufacturer	See Note 1 below
		Colour reference	"Grey"
		Application rate	See Note 1 below
		Application method	See Note 1 below
		Flame retardant details	See Note 3 below
Curing process	See Note 1 below		
Substrate	Generic type	Aluminium	
	Product reference	See Note 2 below	
	Name of manufacturer	See Note 2 below	
	Thickness	1.92mm (determined by Exova Warringtonfire)	
	Density	2.77g/cm ³ (determined by Exova Warringtonfire)	
	Colour reference	"Silver" (observed by Exova Warringtonfire)	
Flame retardant details	This component is inherently flame retardant		
Brief description of manufacturing process		See Note 1 below	

Note 1: The sponsor was unwilling to provide this information.

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

Note 3: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

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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Revised By:	Approved By:
Reason for Revision:	

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