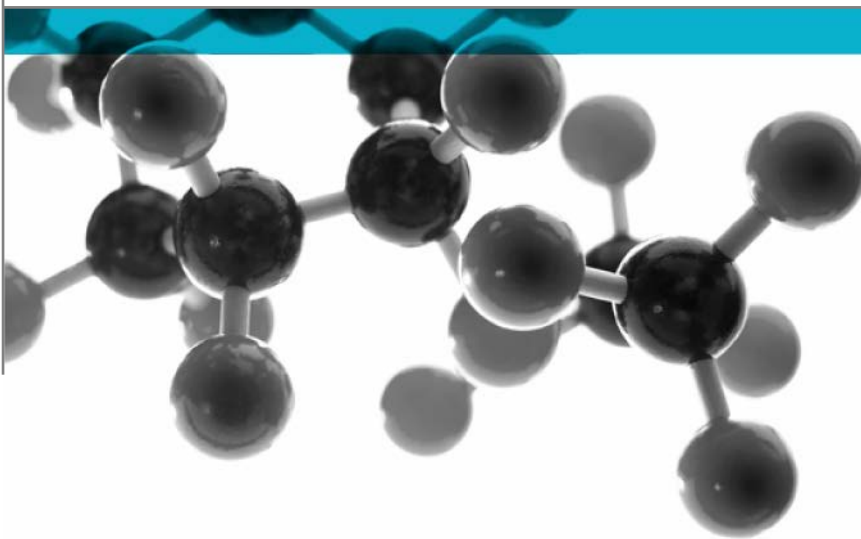


Class 0 Summary Report



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: 23rd December 2014

Issue No.: 1

Page 1

A Report To: GMS Insulations Ltd.

Document Reference: 347749 & 347750

**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	Density
Coated spray foam insulation	"Icynene Classic Plus/DC 315"	52mm *	1.55kg/m ² *
Individual components used to manufacture composite:			
Water based fireproof paint	"DC 315"	20 mils (0.51mm)	20 kg/m ³
Spray foam insulation	"Icynene Classic Plus"	50mm	12kg/m ³
* determined by Exova Warringtonfire			
Please see page 5 of this test report for the full description of the product tested			

Test Sponsor GMS Insulations Ltd., Legga, Moyne, Co Longford 119. Ireland

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 17th & 18th December 2014

Signatories

 Responsible Officer I. White* Testing Officer	 Authorised S. Deeming * Operations Manager
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* For and on behalf of **Exova Warringtonfire**.

Report Issued: 23rd December 2014

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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. 347749 and 347750.

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. 347749 and 347750. 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 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+A1: 2009	Fire propagation index, I	=	8.5
	subindex, i_1	=	5.0
	subindex, i_2	=	2.9
	subindex, i_3	=	0.6

**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		Coated spray foam insulation
Product reference of composite		"Icynene Classic Plus/DC 315"
Name of manufacturer of composite		Icynene Inc. & International Fireproof Technology Inc.
Thickness of composite		52.7mm (determined by Exova Warringtonfire)
Weight per unit area of composite		1.55kg/m ² (determined by Exova Warringtonfire)
Coating (test face)	Generic type	Water based fireproof paint
	Product reference	"DC 315"
	Name of manufacturer	International Fireproof Technology Inc.
	Colour reference	"White"
	Number of coats	One
	Application thickness per coat	20 mils (0.51 mm)
	Density	20 kg/m ³
	Application method	Airless sprayer, brush or roller
	Flame retardant details	See Note 1 below
	Curing process per coat	8 hours
Insulation	Generic type	Spray foam insulation
	Product reference	"Icynene Classic Plus"
	Detailed description details	Open cell, water blown low density foam
	Name of manufacturer	Icynene Inc.
	Thickness	50mm
	Density	12kg/m ³
	Colour reference	"Off White"
	Flame retardant details	See Note 2 below
Brief description of manufacturing process		The foam is a site applied product which is a two component product that is mixed under temperature and pressure to form a spray foam insulation

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

Note 2: 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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