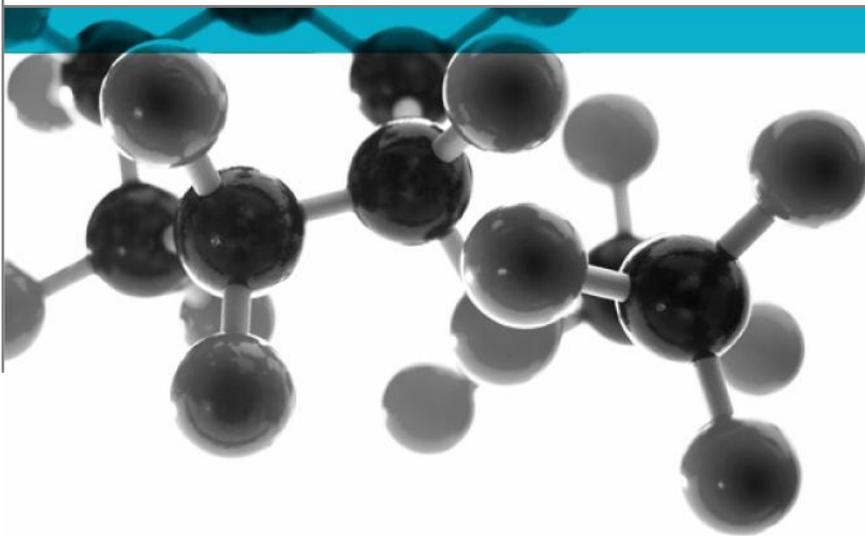


Class 0 Summary Report



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: 24th January 2013

Issue No.: 1

Page 1

A Report To: Sika Limited

Document Reference: 325216 & 325217

**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
Three coat, water based acrylate protective coating for concrete surfaces, applied to a fibre cement board substrate	"Sikagard 675W"	7.93mm*	14.68kg/m ² *
Individual components used to manufacture composite:			
Water based acrylate coating	"Sikagard 675 W"	Not stated	2 x 0.20kg/m ² - 0.25kg/m ²
Water based primer	"Sikagard 552 W Aquaprimer"	Not stated	0.10kg/m ²
Fibre cement board	"NT D4 604"	8mm	1800kg/m ³
*determined by Exova Warringtonfire			
Please see page 5 of this test report for the full description of the product tested			

Test Sponsor Sika Limited, Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ

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 7th & 15th January 2013

Signatories

	
Responsible Officer D. J. Owen * Senior Technical Officer	Authorised T. Mort * Senior Technical Officer

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

Report Issued: 24th January 2013

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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. 325216 and 325217.

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. 325216 and 325217. 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	Fire propagation index, I	=	1.8
	subindex, i_1	=	0.0
	subindex, i_2	=	0.4
	subindex, i_3	=	1.4

**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		Three coat, water based acrylate protective coating for concrete surfaces, applied to a fibre cement board substrate
Product reference of composite		"Sikagard 675W"
Name of manufacturer of composite		Sika Limited
Thickness of composite		7.93mm (determined by Exova Warringtonfire)
Weight per unit area of composite		14.68kg/m ² (determined by Exova Warringtonfire)
Product reference of coating system		"Sikagard 675W"
Name of manufacturer of coating system		Sika Limited
Overall thickness of coating system		0.3-0.4mm
Final coating product (test face)	Generic type	Water based acrylate coating
	Product reference	"Sikagard 675 W"
	Name of manufacturer	Sika Limited
	Colour reference	"White"
	Number of coats	Two
	Application rate per coat	0.20kg/m ² -0.25kg/m ²
	Specific gravity	1.30
	Application method	Roller applied
	Flame retardant details	See Note 1 Below
	Curing process per coat	Air dry 5 hours
First coating product	Generic type	Water based primer
	Product reference	"Sikagard 552 W Aquaprimer"
	Name of manufacturer	Sika Limited
	Colour reference	"Clear"
	Number of coats	One
	Application rate	0.10kg/m ²
	Specific gravity	1.00
	Application method	Roller applied
	Flame retardant details	See Note 1 Below
Curing process per coat	Air dry 7 days	
Substrate	Generic type	Fibre cement board
	Product reference	"NT D4 604"
	Name of manufacturer	Scheerders van de Kerkhove (SVK)
	Thickness	8mm
	Density	1800kg/m ³
Flame retardant details		The substrate is inherently flame retardant
Brief description of manufacturing process		Roller application to substrate

Note 1: 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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