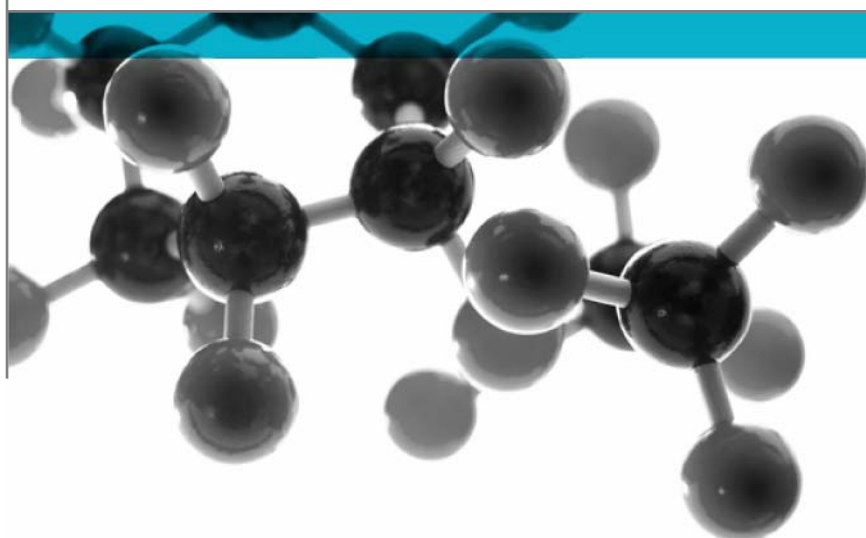


Exova Warringtonfire
Holmesfield Road
Warrington
WA1 2DS
United Kingdom

T : +44 (0) 1925 655116
F : +44 (0) 1925 655419
E : warrington@exova.com
W: www.exova.com



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: 20th November 2012

Issue No.: 1

Page 1

A Report To: Sika Limited

Document Reference: 323721 & 323722

**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.

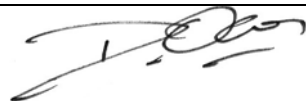

| Generic Description | Product reference | Thickness | Weight per unit area or density |
|---|-----------------------------|------------|---------------------------------|
| A three-coat coating system applied to a fibre cement board substrate | "Sikagard 550W" | 8.78mm* | 16.49kg/m ² * |
| Individual components used to manufacture composite: | | | |
| Coating product (test face) | "Sikagard 550W" | Not stated | 2 x 0.25-0.35kg/m ² |
| Primer coating | "Sikagard 552 W Aquaprimer" | Not stated | 0.10kg/m ² |
| Substrate | "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 9th, 13th & 14th November 2012

Signatories

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

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

Report Issued: 20th November 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. 323721 and 323722.

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. 323721 and 323722.

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 | = | 1.1 |
| | subindex, i_1 | = | 0.0 |
| | subindex, i_2 | = | 0.1 |
| | 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 three-coat coating system applied to a fibre cement board substrate |
| Thickness of composite | | 8.78mm (determined by Exova Warringtonfire) |
| Weight per unit area of composite | | 16.49kg/m ² (determined by Exova Warringtonfire) |
| Product reference of coating system | | "Sikagard 550W" |
| Name of manufacturer of coating system | | Sika Limited |
| Thickness of coating system | | Between 0.4 and 0.5mm |
| Final coating product (test face) | Generic type | Water based acrylic |
| | Product reference | "Sikagard 550 W" |
| | Name of manufacturer | Sika Limited |
| | Colour reference | "Grey" |
| | Number of coats | Two |
| | Application rate per coat | Between 0.25kg/m ² and 0.35kg/m ² |
| | Specific gravity | 1.40 |
| | Application method | Roller applied |
| | Flame retardant details | See Note 1 Below |
| | Curing process per coat | Air dry |
| 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 per coat | 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 |
| 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 of coatings 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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| Issue No : | Re-issue Date: |
| Revised By: | Approved By: |
| Reason for Revision: | |

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| Issue No : | Re-issue Date: |
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| Reason for Revision: | |