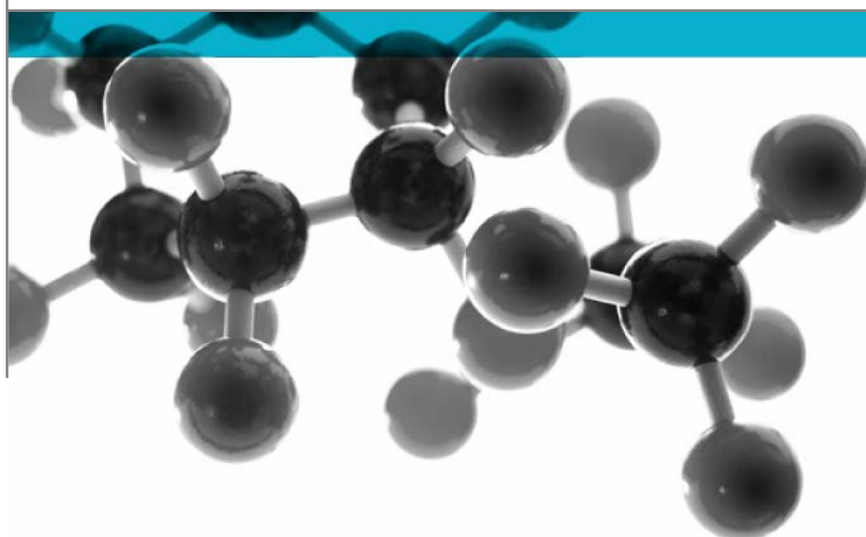


Class 0 Summary Report



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: 2nd January 2019

Issue No.: 2

Page 1

A Report To: Teal & Mackrill Ltd

Document Reference: 406686 & 406687

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/ Specific gravity |
|---|---|-----------|---|
| Water based 2-pack polyurethane coating applied to a 'Glasroc F' multiboard | "WB101 Anti-Graffiti Coating Clear / Anti-Graffiti Lacquer Clear Glaze" | 6.57mm* | 6.38kg/m ² |
| Individual components used to manufacture composite: | | | |
| Polyurethane | "WB101/T" | 95µ | 1.15 |
| Substrate | "Glasroc F Multiboard" | 6mm | 6.0kg/m ² |
| *determined by Warringtonfire | | | |
| Please see page 5 of this test report for the full description of the product tested | | | |



Test Sponsor Teal & Mackrill Ltd, Lockwood Street, Hull, HU2 0HN

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 15th & 20th November 2018

Reason for revision This document replaces issue 1 (dated 22nd November 2018) of the same number which has been withdrawn. The incorrect product description information was added to the test report

Signatories

| | |
|---|--|
|  |  |
| Responsible Officer C. Jacques * Senior Technical Officer | Authorised T. Mort * Senior Technical Officer |

* For and on behalf of [Warringtonfire](#).

Report Issued: 2nd January 2019

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Document No.: 406686 & 406687
Author: C Jacques
Client: Teal and Mackrill Ltd

Page No.: 2 of 7
Issue Date: 2nd January 2019
Issue No.: 1

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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 [Warringtonfire](#) test reports No's. 406686 and 406687.

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 [Warringtonfire](#) test reports No's. 406686 and 406687. 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 | = | 1.8 |
| subindex, i_1 | = | 0.2 |
| subindex, i_2 | = | 1.1 |
| subindex, i_3 | = | 0.5 |

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. This information has not been independently verified by Warringtonfire. All values quoted are nominal, unless tolerances are given.

| | | |
|---|--------------------------------|---|
| General description | | Water based 2-pack polyurethane coating applied to a 'Glasroc F' multiboard |
| Product reference of coating system | | "WB101 Anti-Graffiti Coating Clear / Anti-Graffiti Lacquer Clear Glaze" |
| Overall thickness | | 6.57mm(determined by Warringtonfire) |
| Overall weight per unit area | | 6.38kg/m ² (determined by Warringtonfire) |
| Coating (test face) | Generic type | Polyurethane |
| | Product reference | "WB101/T" |
| | Name of manufacturer | Teal & Mackrill Ltd |
| | Colour | "Clear" |
| | Number of coats | Three |
| | Application thickness per coat | 95 microns (dry film thickness) |
| | Application method | Brush |
| | Specific gravity | 1.15 |
| | Flame retardant details | See Note 1 below |
| | Curing process per coat | 16 hours chemical cure |
| Substrate | Product reference | "Glasroc F Multiboard" |
| | Generic type | Gypsum incorporating fibre glass immediately below the surface |
| | Name of manufacturer | British Gypsum |
| | Thickness | 6mm |
| | Weight per unit area | 6.0kg/m ² |
| | Flame retardant details | See Note 1 below |
| Brief description of manufacturing process of coating | | See Note 2 below |

Note 1. The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

Note 2. The sponsor of the test was unwilling 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. **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 : 2 | Re-issue Date: 2nd January 2019 |
| Revised By: C Jacques | Approved By: T Mort |
| Reason for Revision: This document replaces issue 1 (dated 22 nd November 2018) of the same number which has been withdrawn. The incorrect product description information was added to the test report | |

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| Reason for Revision: | |