TEST REPORT

from

EXOVA WARRINGTONFIRE

Marvec FS Cladding, white

[laminated to Class O substrate]

Test by:
BS476: Part 6:11989 + A1: 2009,
BS476: Part 7:1997

Class O summary report

Classification: Class O Surface spread of flame

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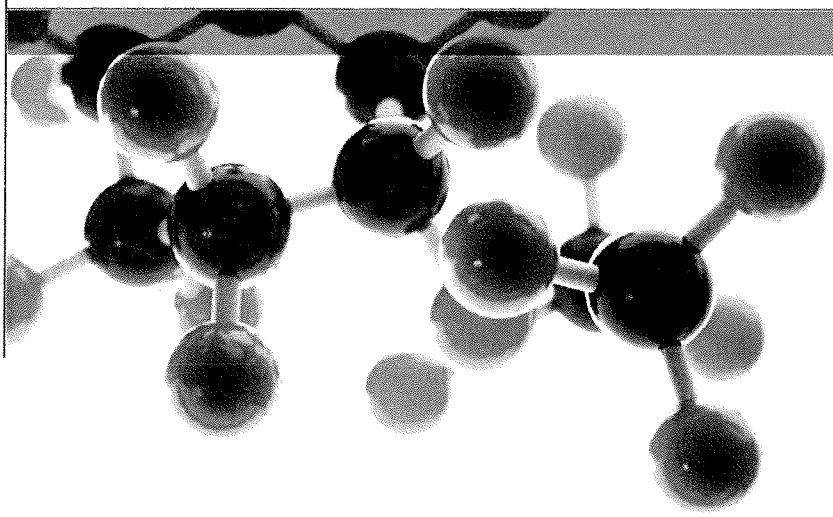
Class 0 Summary Report



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: 30th May 2018

Issue No.: 1

Document Reference: 393505 & 399680

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, specific gravity or density
PVC cladding sheet adhered to a plasterboard substrate	"Marvec FS Cladding Assembly For BS 476 Part 7 Test"	16mm	14kg/m^2
Individual components used to manufacture composite:			
PVC cladding	"Marvec FS Cladding"	2.5mm	1.42
Adhesive	"PU adhesive"	Confidential	Not stated
Plasterboard	Confidential	12.5mm	10.5kg/m^2
Please see page 5 of this test report for the full description of the product tested			

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 11th January and 23rd May 2018

Signatories

Responsible Officer T. Mort * Senior Technical Officer	Authorised S. Deeming * Business Unit Head

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

Report Issued: 30th May 2018

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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. 393505 and 399680.

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. 393505 and 399680. 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 PVC cladding 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	=	9.1
subindex, i_1	=	1.8
subindex, i_2	=	4.5
subindex, i_3	=	2.8

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 **Exova Warringtonfire.** All values quoted are nominal, unless tolerances are given.

General description		PVC cladding sheet adhered to a plasterboard substrate
Product reference		"Marvec FS Cladding Assembly For BS 476 Pt 7 Test"
Thickness		16mm (stated by sponsor) 15.75mm (determined by **Exova Warringtonfire**)
Weight per unit area		14kg/m² (stated by sponsor) 12.64kg/m^{2} (determined by **Exova Warringtonfire**)
Plastic	Generic type	Hygienic internal wall cladding
	Product reference	"Marvec FS Cladding"
	Detailed description / composition details	Rigid solid white opaque PVC flat sheet with smooth surfaces.
	Thickness	2.5mm
	Specific gravity	1.42
	Colour reference	"White"
	Flame retardant details	**See Note 1 below**
Adhesive	Generic type	Polyurethane
	Product reference	"PU Adhesive"
	Name of distributor	**See Note 1 below**
	Application rate / thickness	**See Note 1 below**
	Application method	**See Note 1 below**
	Flame retardant details	**See Note 2 below**
	Curing process	Moisture cure
Plasterboard	Generic type	Gypsum plasterboard
	Product reference	**See Note 1 below**
	Detailed description / composition details	**See Note 1 below**
	Name of manufacturer	**See Note 1 below**
	Thickness	12.5mm
	Weight per unit area	10.5kg/m²
	Colour reference	**See Note 1 below**
	Flame retardant	**See Note 3 below**
Brief description of manufacturing process		**See Note 4 below**

Note 1. The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the report and are instead held on the confidential file relating to this investigation.

Note 2. The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

Note 3. The sponsor of the test was unable to provide this information.

Note 4. 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. **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.

Revision History

Issue No :	Re-issue Date:
Revised By:	Approved By:
Reason for Revision:	

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