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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**

Summary of WF Report Numbers

189308 & 189312

Date:

27th January 2010

Test Sponsor:

**PRA Coatings Technology
Centre**
14 Castle Mews
High Street
Hampton
Middlesex
TW12 2NP

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 coated plasterboard 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
Coated plasterboard	Coating system - "Bedec MSP Multi surface paint – Satin finish"	13mm	10.95 kg/m ²
Individual components used to manufacture composite:			Specific gravity
Waterborne paint coating	"Bedec MSP Multi surface paint – Satin finish"	Not specified	1.30
Waterborne paint coating	"Bedec MSP Multi surface paint – Satin finish"	Not specified	1.20
Glass reinforced gypsum board	"Glasroc F"	12.5mm	--
Please see page 5 of this test report for the full description of the product tested			

Test Sponsor PRA Coatings Technology Centre, 14 Castle Mews, High Street, Hampton Middlesex TW12 2NP

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 16th December 2009

Signatories

	
Responsible Officer I. White * Testing Officer	Approved D. J. Owen * Senior Technical Officer
	* For and on behalf of Exova Warringtonfire .
Authorised C. Dean * Operations Manager	Report Issued: 27 th January 2010

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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. 189308 and 189312

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. 189308 and 189312. 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 decorative 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	=	3.8
subindex, i_1	=	3.0
subindex, i_2	=	0.6
subindex, i_3	=	0.2

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		Multi Surface Paint Finish - Satin
Thickness of composite		12.7mm (determined by Exova Warringtonfire)
Weight per unit area of composite		10.87kg/m ³ (determined by Exova Warringtonfire)
Product reference of coating system		"Bedec MSP Multi Surface Paint – Satin Finish"
Overall coating system thickness		80 µm
Final coating product (Test face)	Generic type	Waterborne paint
	Product reference	"Bedec MSP Multi Surface Paint – Satin Finish"
	Name of manufacturer	Bedec Products Ltd
	Colour	"White"
	Number of coats	Two
	Thickness per coat	See Note 1 below
	Application rate per coat	Second coat applied un-thinned and applied at the natural spreading rate by brush
	Application method	Brush
	Specific gravity	1.30
	Flame retardant details	See Note 2 below
	Curing process per coat	Air drying
First coating product	Generic type	Waterborne paint
	Product reference	"Bedec MSP Multi Surface Paint – Satin Finish"
	Name of manufacturer	Bedec Products Ltd
	Colour	"White"
	Number of coats	One
	Thickness per coat	See Note 1 below
	Application rate per coat	First coat 30% thinned with water and applied at the natural spreading rate by brush
	Application method	Brush
	Specific gravity	1.20
	Flame retardant details	See Note 2 below
	Curing process per coat	Air drying 24 hours before application of 2 nd coat
Substrate	Product reference	"Glasroc F"
	Generic type	Glass reinforced gypsum board EN 15283-1
	Name of manufacturer	British Gypsum
	Thickness	12.5mm
	Density / weight per unit area	See Note 1 below
	Flame retardant details	See Note 1 below
Preparation details	See Note 1 below	
Brief description of manufacturing process of coatings		Products manufactured by high speed dispersion of pigments, followed by addition of emulsion binder at low speed

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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