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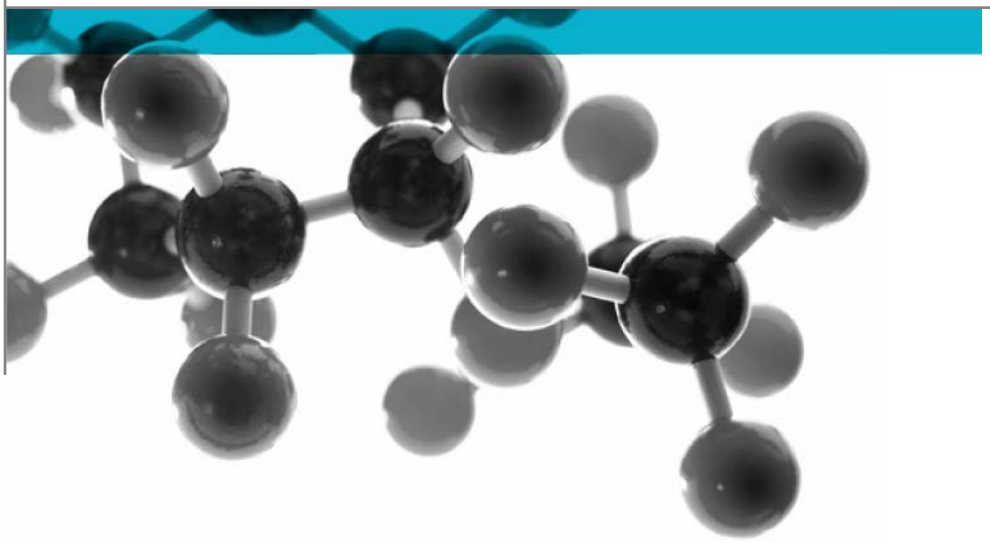
Class 0 Summary Report



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

A Report To: WSBL Ltd.

Document Reference: 407688 & 407689

Date: 23rd January 2019

Issue No.: 1

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
Polymeric decoupled acoustic barrier mat		"Revac ® Momentum S 100 FF SGQ"	30mm	10.6kg/m²
Individual components used to manufacture composite:				
Facing	Foil	"BCO"	18 microns	64g/m²
	Reinforcing scrim	Unable to provide	Unable to provide	
	Adhesive	Unable to provide	Not applicable	25g/m²
Rubber		"Revac® Momentum S"	5mm	5kg/m²
Adhesive		Confidential	80 microns	Not stated
Scrim		Unable to provide	Unable to provide	25g/m²
Insulation		Unable to provide	25mm	25kg/m³
Scrim		Unable to provide	Unable to provide	25g/m²
Please see page 5 of this test report for the full description of the product tested				

Test Sponsor

WSBL Ltd., Durbar Mill, Hereford Road, Blackburn, Lancashire, BB1 3JU

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

5th, 10th and 11th December 2018

Signatories

Responsible Officer
T. Mort *
Senior Technical Officer

Authorised
S. Deeming *
Business Unit Head

* For and on behalf of Warringtonfire.

Report Issued: 23rd January 2019

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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. 407688 and 407689.

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. 407688 and 407689. 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 foil 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	=	8.8
subindex, i_1	=	1.1
subindex, i_2	=	2.1
subindex, i_3	=	5.6

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			Polymeric decoupled acoustic barrier mat
Product reference of overall composite			"Revac ® Momentum S 100 FF SGQ"
Name of manufacturer of overall composite			WSBL Ltd
Thickness of overall composite			30mm (stated by sponsor) 16.35mm (determined by Warringtonfire)
Weight per unit area of overall composite			10.6kg/m^2 (stated by sponsor) 9.77kg/m² (determined by Warringtonfire)
Facing	Foil	Generic type	Aluminium foil
		Product reference	"BCO"
		Name of manufacturer	Rothel
		Thickness	18 microns
		Weight per unit area	64g/m^2 (with glass scrim)
		Colour reference	"Silver"
		Flame retardant details	**See Note 1 below**
	Reinforcing scrim	Generic type	Glass fibre scrim
		Product reference	**See Note 2 below**
		Name of manufacturer	Rothel
		Colour reference	"White"
		Thickness	**See Note 2 below**
		Weight per unit area	64g/m^2 (with foil)
		Type of weave / cell dimensions	Plain weave 5mm x 5mm
		Flame retardant details	**See Note 1 below**
	Adhesive	Generic type	Polythene hot melt
		Product reference	**See Note 2 below**
		Name of manufacturer	Rothel
		Colour reference	"Clear"
		Application rate	25g/m^2
		Application method	**See Note 2 below**
		Flame retardant details	**See Note 1 below**
		Curing process	**See Note 2 below**
Rubber		Generic type	Thermoplastic elastomer
		Product reference	"Revac® Momentum S"
		Detailed description / composition details	**See Note 3 below**
		Name of manufacturer	WSBL Ltd
		Thickness	5mm
		Density	2g/cm^3
		Weight per unit area	5kg/m²
		Colour reference	"Black"
		Flame retardant details	**See Note 1 below**

Adhesive	Generic type	Pressure sensitive
	Product reference	**See Note 3 below**
	Name of manufacturer	**See Note 3 below**
	Colour reference	"Clear"
	Application thickness	80 microns
	Application method	Nip roller
	Flame retardant details	**See Note 1 below**
	Curing process	**See Note 2 below**
Scrim	Generic type	Non-woven polypropylene
	Product reference	**See Note 2 below**
	Name of manufacturer	**See Note 2 below**
	Colour reference	"White"
	Thickness	**See Note 2 below**
	Weight per unit area	25g/m^2
	Flame retardant details	**See Note 1 below**
Insulation	Generic type	Glass fibre
	Product reference	**See Note 2 below**
	Name of manufacturer	**See Note 2 below**
	Colour reference	"Amber"
	Thickness	25mm
	Density	25 kg/m^3
	Flame retardant details	**See Note 1 below**
Scrim	Generic type	Non-woven polypropylene
	Product reference	**See Note 2 below**
	Name of manufacturer	**See Note 2 below**
	Colour reference	"White"
	Thickness	**See Note 2 below**
	Weight per unit area	25g/m^2
	Flame retardant details	**See Note 1 below**
Brief description of manufacturing process		**See Note 3 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 unable to provide this information.

Note 3. 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.

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.

Revision History

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

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