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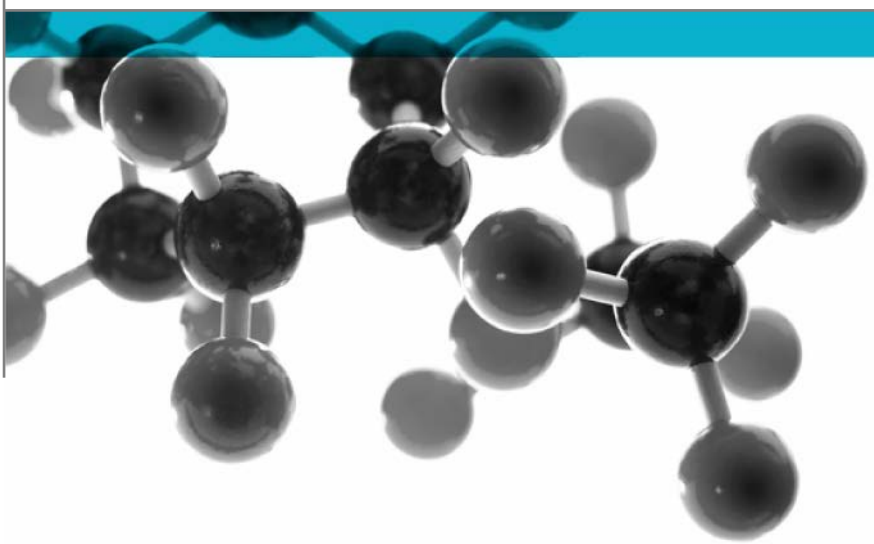
Class 0 Summary Report



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: 391076 & 391079

Date: 10th January 2018

Issue No.: 1

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
Polymeric decoupled acoustic barrier mat	"Revac ® Momentum S 50 FF SGQ"	27.5mm	5.6kg/m^2
Individual components used to manufacture composite:			
Glass fibre reinforced aluminium foil	"BCO"	18 microns	64g/m^2
• Aluminium foil	Not stated	Not stated	Not stated
• Glass fibre reinforcement scrim	Not stated	Not stated	Not stated
Adhesive	Not stated	Not stated	25g/m^2
Rubber	"Revac ® Momentum S"	2.5mm	5kg/m^2
Pressure sensitive adhesive	Confidential	80 microns	Not stated
Polypropylene non woven	Not stated	Not stated	25g/m^2
Glass fibre insulation	Not stated	25mm	25kg/m^3
Please see pages 5 & 6 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

15th November 2017

Signatories

	
Responsible Officer C. Meachin * Technical Officer	Authorised S. Deeming * Business Unit Head

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

Report Issued: 10th January 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. 391076 and 391079.

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. 391076 and 391079. 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	=	8.3
subindex, i_1	=	0.5
subindex, i_2	=	5.2
subindex, i_3	=	2.6

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

General description			Polymeric decoupled acoustic barrier mat
Product reference			"Revac ® Momentum S 50 FF SGQ"
Name of manufacturer			WSBL Ltd
Thickness			27.5mm (stated by sponsor) 21.54mm (determined by **Exova Warringtonfire**)
Weight per unit area			5.6 kg/m^2 (stated by sponsor) 5.0kg/m^2 (determined by **Exova Warringtonfire**)
Glass fibre reinforced aluminium foil composite	Generic type		Glass fibre scrim reinforced aluminium foil composite
	Product reference		"BCO"
	Name of manufacturer		Rothel
	Thickness		18 microns
	Weight per unit area		64g/m^2
	Foil	Generic type	Aluminium foil
		Product reference	**See Note 1 below**
		Name of manufacturer	Rothel
		Thickness	**See Note 1 below**
		Density / weight per unit area	**See Note 1 below**
		Colour reference	"Silver"
		Flame retardant details	**See Note 2 below**
	Reinforcing scrim	Generic type	Glass fibre scrim
		Product reference	**See Note 1 below**
		Name of manufacturer	Rothel
		Colour reference	"White"
		Thickness	**See Note 1 below**
		Density / weight per unit area	**See Note 1 below**
		Type of weave / cell dimensions	Plain weave 5mm x 5mm
		Flame retardant details	**See Note 2 below**
	Adhesive	Generic type	Polythene hot melt adhesive
		Product reference	**See Note 1 below**
		Name of manufacturer	ROTHEL
		Colour reference	"Clear"
		Application rate	25 g/m^2
		Application method	**See Note 1 below**
		Flame retardant details	**See Note 2 below**

Continued on next page

Rubber	Generic type	Thermoplastic elastomer
	Product reference	“Revac® Momentum S”
	Detailed description / composition details	**See Note 3 below**
	Name of manufacturer	WSBL Ltd
	Thickness	2.5 mm
	Density	2 g/cm^3
	Weight per unit area	5kg/m^2
	Colour reference	“Black”
	Flame retardant details	**See Note 2 below**
Adhesive	Generic type	Pressure sensitive
	Product reference	**See Note 3 below**
	Name of manufacturer	**See Note 3 below**
	Thickness	80 microns
	Application method	Nip roller
	Flame retardant details	**See Note 2 below**
Scrim (stitched to insulation)	Generic type	PP non woven
	Product reference	**See Note 1 below**
	Name of manufacturer	**See Note 1 below**
	Thickness	**See Note 1 below**
	Weight per unit area	25g/m^2
	Colour reference	“White”
	Flame retardant details	**See Note 2 below**
Insulation	Generic type	Glass fibre
	Product reference	**See Note 1 below**
	Detailed description / composition details	**See Note 1 below**
	Name of manufacturer	**See Note 1 below**
	Thickness	25mm
	Density	25kg/m^3
	Colour reference	“Amber”
	Flame retardant details	**See Note 2 below**
Brief description of manufacturing process		**See Note 3 below**

Note 1. The sponsor of the test 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.

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. **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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