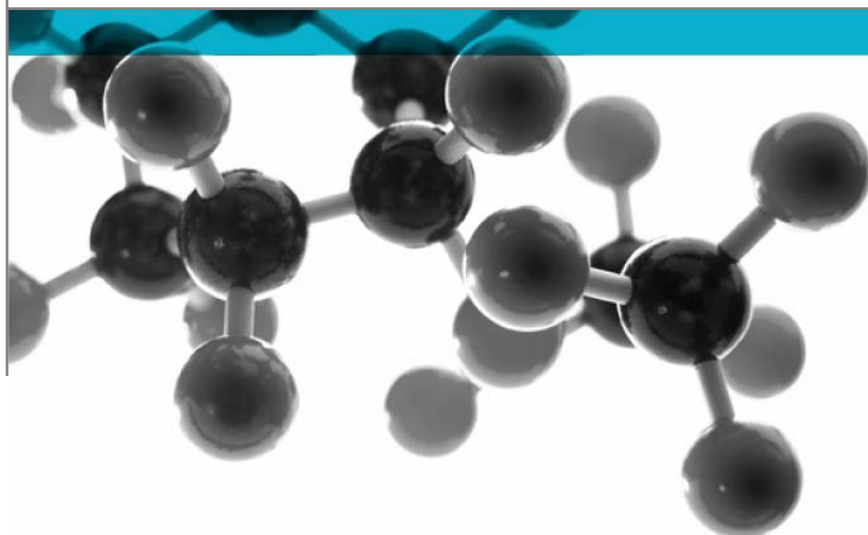


# Class 0 Summary Report



**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:** 20th February 2019

**Issue No.:** 2

Page 1

A Report To: WSBL Ltd.

Document Reference: 406278 & 406279

## 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 noise control barrier		"Revac Momentum S 100FF"	5mm	2g/cm <sup>3</sup>
<b>Individual components used to manufacture composite:</b>				
Facing	Foil	"BCO"	18 microns	64g/m <sup>2</sup>
	Scrim	Unable to provide	Unable to provide	
	Adhesive	Unable to provide	Unable to provide	Unable to provide
Rubber		"Revac® Momentum S"	5mm	10kg/m <sup>2</sup>
<b>Please see page 5 of this test report for the full description of the product tested</b>				


**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** 22<sup>nd</sup> November 2018


**Reason for revision** This document replaces issue 1 (dated 8<sup>th</sup> February 2019) of the same number which has been withdrawn. The weight per unit area of the rubber was incorrect in the issue 1 report. This has been amended in this issue 2 report.

## Signatories




---

Responsible Officer  
 C. Jacques \*  
 Senior Technical Officer




---

Authorised  
 T. Mort \*  
 Senior Technical Officer

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

Report Issued: 20th February 2019

This version of the report has been produced from a .pdf format electronic file that has been provided by [Warringtonfire](#) to the sponsor of the report and must only be reproduced in full. Extracts or abridgements of reports must not be published without permission of [Warringtonfire](#).

<b>CONTENTS</b>	<b>PAGE NO.</b>
<b>EXECUTIVE SUMMARY .....</b>	<b>2</b>
<b>SIGNATORIES.....</b>	<b>2</b>
<b>TEST DETAILS.....</b>	<b>4</b>
<b>DESCRIPTION OF TEST SPECIMENS.....</b>	<b>5</b>
<b>CLASSIFICATION .....</b>	<b>7</b>
<b>REVISION HISTORY .....</b>	<b>8</b>

## 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. 406278 and 406279.

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. 406278 and 406279. 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	=	4.6
subindex, $i_1$	=	0.0
subindex, $i_2$	=	0.4
subindex, $i_3$	=	4.2

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

General description		Polymeric noise control barrier	
Product reference of overall composite		“Revac ® Momentum S 100 FF”	
Name of manufacturer of overall composite		WSBL Ltd	
Thickness of overall composite		5mm (stated by sponsor) 5.37mm (determined by Warringtonfire)	
Density of overall composite		2g/cm <sup>3</sup> (stated by sponsor) 1.97g/cm <sup>3</sup> (determined by Warringtonfire)	
Facing	Foil	Generic type	Aluminium foil
		Product reference	“BCO”
		Name of manufacturer	Rothel
		Thickness	18microns
		Weight per unit area	64g/m <sup>2</sup> (with glass scrim)
		Colour reference	“Silver”
		Flame retardant details	<b>See Note 1 below</b>
	Reinforcing scrim	Generic type	Glass fibre scrim
		Product reference	<b>See Note 2 below</b>
		Name of manufacturer	Rothel
		Colour reference	“White”
		Thickness	<b>See Note 2 below</b>
		Weight per unit area	64g/m <sup>2</sup> (with foil)
		Type of weave / cell dimensions	Plain weave 5mm x 5mm
	Flame retardant details	<b>See Note 1 below</b>	
	Adhesive	Generic type	Polythene hot melt
		Product reference	<b>See Note 2 below</b>
		Name of manufacturer	Rothel
		Colour reference	“Clear”
		Application rate	25g/m <sup>2</sup>
		Application method	<b>See Note 2 below</b>
Flame retardant details		<b>See Note 1 below</b>	
Curing process	<b>See Note 2 below</b>		

Rubber	Generic type	Thermoplastic elastomer
	Product reference	"Revac® Momentum S"
	Detailed description / composition details	<b>See Note 3 below</b>
	Name of manufacturer	WSBL Ltd
	Thickness	5mm
	Density	2g/cm <sup>3</sup>
	Weight per unit area	10kg/m <sup>2</sup>
	Colour reference	"Black"
	Flame retardant details	<b>See Note 1 below</b>
Brief description of manufacturing process		<b>See Note 3 below</b>

**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 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.

This report may only be reproduced in full. Extracts or abridgements shall not be published without permission of Warringtonfire.

## Revision History

Issue No : 2	Re-issue Date: 20th February 2019
Revised By: C Jacques	Approved By: T Mort
Reason for Revision: This document replaces issue 1 (dated 8 <sup>th</sup> February 2019) of the same number which has been withdrawn. The weight per unit area of the rubber was incorrect in the issue 1 report. This has been amended in this issue 2 report.	

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