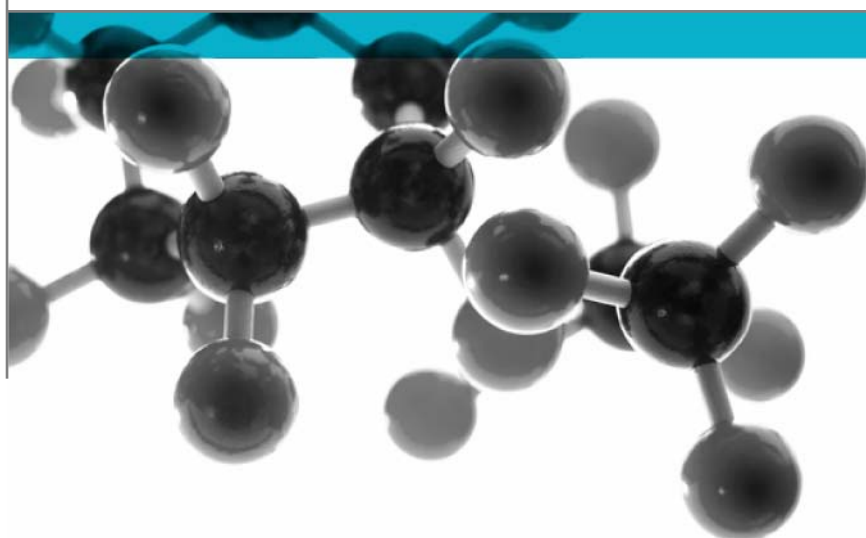


# Class 0 Summary Report



**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:** 2<sup>nd</sup> May 2014

**Issue No.:** 1

Page 1

A Report To: Tor Coatings Limited

Document Reference: 339895 & 339898

**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 / application rate	Weight per unit area / density / specific gravity
Flame retardant grade coating system applied to particle board substrate	"Intulac Ultra"	12.3mm	8.0kg/m <sup>2</sup>
<b>Individual components used to manufacture composite:</b>			
Final coating product (test face)	"Intulac Ultra Protective Top Coat"	12.5m <sup>2</sup> /l	0.9
First coating product	"Intulac Ultra Intumescent Base Coat"	2 x 5.0m <sup>2</sup> /l	1.3
Substrate	Unwilling to provide	12mm	Unable to provide
<b>Please see page 5 of this test report for the full description of the product tested</b>			

**Test Sponsor** Tor Coatings Limited, Shadon Way, Portobello Industrial Estate, Birtley, Chester-Le-Street, County Durham, DH3 2RE

**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** 23<sup>rd</sup>, 28<sup>th</sup> & 29<sup>th</sup> April 2014

## Signatories

	
Responsible Officer C. Meachin * Technical Officer	Authorised S. Deeming * Operations Manager

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

Report Issued: 2<sup>nd</sup> May 2014

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## Test Details

**Terms Reference**      **Of** 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. 339895 and 339898.

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. 339895 and 339898. 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 coated face was exposed to the heating conditions of the tests.

**Results of test** The following results were obtained for the specimens, which were tested.

<b>BS 476: Part 6: 1989</b>	Fire propagation index, I	=	10.2
	subindex, $i_1$	=	4.5
	subindex, $i_2$	=	1.5
	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. All values quoted are nominal, unless tolerances are given.

General description		Flame retardant grade coating system applied to particle board substrate
Product reference		"Intulac Ultra"
Thickness		12.3mm (stated by sponsor) 12.6mm (determined by <b>Exova Warringtonfire</b> )
Weight per unit area		8.0kg/m <sup>2</sup> (stated by sponsor) 7.7kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )
Final coating product (test face)	Generic type	Acrylic (solvent based)
	Product reference	"Intulac Ultra Protective Top Coat"
	Name of manufacturer	Tor Coatings
	Colour reference	"Clear"
	Number of coats	1
	Application rate	12.5 m <sup>2</sup> /l
	Specific gravity	0.9
	Application method	Roller
	Flame retardant details	<b>See Note 1 Below</b>
	Curing process per coat	Air dry
First coating product	Generic type	Acrylic (water based)
	Product reference	"Intulac Ultra Intumescent Base Coat"
	Name of manufacturer	Tor Coatings
	Colour reference	"Clear"
	Number of coats	2
	Application rate per coat	5.0 m <sup>2</sup> /l
	Specific gravity	1.3
	Application method	Roller
	Flame retardant details	<b>See Note 1 Below</b>
	Curing process per coat	Air dry
Substrate	Generic type	Particle board
	Product reference	<b>See Note 1 Below</b>
	Timber species	<b>See Note 2 Below</b>
	Thickness	12mm
	Density	<b>See Note 2 Below</b>
	Name of manufacturer	<b>See Note 1 Below</b>
	Flame retardant details	<b>See Note 3 Below</b>
	Cycle details	<b>See Note 2 Below</b>
Brief description of manufacturing process		<b>See Note 1 Below</b>

**Note 1: The sponsor was unwilling to provide this information.**

**Note 2: The sponsor was unable to provide this information.**

**Note 3: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.**

## Classification

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### 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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## Revision History

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Reason for Revision:	

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