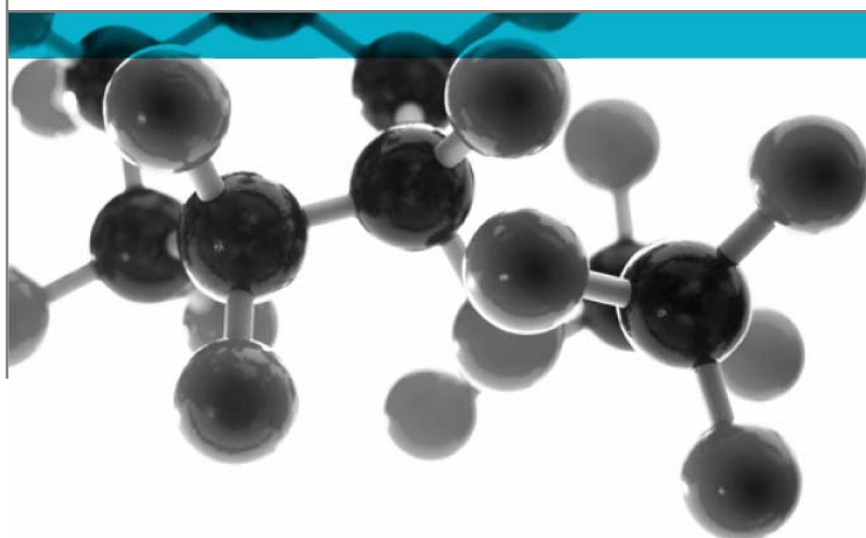


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Class 0 Summary Report



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

Date: 29th March 2011

Issue No.: 1

Page 1

A Report To: Eco-Sol Ltd

Document Reference: 304043 & 305479

**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 coated timber 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
A Yellow Pine timber treated with a flame retardant	"Yellow Pine treated with Flametect C-WD"	12mm	BS 476: Part 7 7.82kg/m ² * BS 476: Part 6 9.61kg/m ² *
Individual components used to manufacture composite:			
Coating product	"Flametect C-WD"	20 to 30g/m ² (per coat)	1060kg/m ³
Timber	"Yellow Pine"	12mm	Unable to provide
Please see page 5 of this test report for the full description of the product tested			

Test Sponsor Eco-Sol Ltd, Cardiff House, Cardiff Road, Barry, Vale of Glamorgan, CF63 2AW

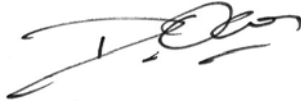
Opinion: We consider the results of the tests to BS 476:Part 6:1989+A1: 2009 and BS 476:Part 7: 1997, demonstrate that the product, as tested, complies with the requirements for Class 0, as defined in paragraph A13(b) of Approved Document B, 'Fire Safety', to the Building Regulations 2000.

Dates of Tests BS 476: Part 7 - 1st February
BS 476: Part 6 – 24th and 28th March 2011

Signatories



Responsible Officer
T. Mort *
Senior Technical Officer



Authorised
D. J. Owen *
Senior Technical Officer

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

Report Issued: 29th March 2011

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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. 304043 and 305479.

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. 304043 and 305479. Those test reports may include additional information which may be relevant to the assessment of the potential fire hazard of the product.

The specimens were tested with an airgap positioned behind the product as described in test report No. 304043 and test report No. 305479.

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.

BS 476: Part 6: 1989	Fire propagation index, I	=	10.8
	subindex, i_1	=	4.7
	subindex, i_2	=	4.4
	subindex, i_3	=	1.7

BS 476: Part 7: 1997	Class 1 surface spread of flame
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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		A Yellow Pine timber treated with a flame retardant
Product reference		"Yellow Pine treated with Flametect C-WD"
Weight per unit area		304043 7.82kg/m ² (determined by Exova Warringtonfire) 305479 9.61kg/m ² (determined by Exova Warringtonfire)
Thickness		304043 12mm (stated by sponsor) 14.95mm (determined by Exova Warringtonfire) 305479 12mm (stated by sponsor) 13.54mm (determined by Exova Warringtonfire)
Coating product (Test face)	Generic type	Water based flame retardant
	Product reference	"Flametect C-WD"
	Name of manufacturer	Eco-Sol Ltd
	Colour	"Clear"
	Number of coats	3
	Application rate per coat	20 to 30g/m ²
	Application method	Roller
	Specific gravity	1060kg/m ³
	Trade name of flame retardant	"Flametect C-WD"
	Generic type of flame retardant	Water based
	Amount of flame retardant	60 to 100g/m ²
Curing process per coat	Air dry	
Substrate	Product reference	"Yellow Pine"
	Generic type	Pine
	Name of manufacturer	Robert Price Ltd
	Thickness	12mm
	Density / weight per unit area	See Note 1 below

Note 1: The sponsor of the test was unable to provide this information.

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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Revision History

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Revised By:	Approved By:
Reason for Revision:	

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