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Testing. Advising. Assuring.

Title:

**CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1:2007+A1:
2009.**

Notified Body No:

0833

Product Name:

"Flametect C-WD+"

Report No:

WF 381571

Issue No:

2

Prepared for:

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

Date:

20th March 2017



1. Introduction

This classification report defines the classification assigned to "Flametect C-WD+", a Siberian larch timber coated on both faces with a flame retardant grade coating, in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, "Flametect C-WD+", a Siberian larch timber coated on both faces with a flame retardant grade coating, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, "Flametect C-WD+", a Siberian larch timber coated on both faces with a flame retardant grade coating, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Siberian larch timber coated on both front and reverse faces with a flame retardant grade coating
Product reference		"Flametect C-WD+"
Weight per unit area		13.19kg/m ²
Thickness		16mm
Flame retardant (coating)	Generic type	A polymeric blend of organo-phosphate & nitrogen salts'
	Product reference	"Flametect C-WD+"
	Batch number	"IF06450"
	Name of manufacturer	Eco-Sol Ltd
	Colour	"Clear"
	Number of coats	One
	Application rate	250ml/m ²
	Application method	Spray, brush or roller
	Specific gravity	1.42
Curing process per coat		Air dry
Substrate	Product reference	"Larch shiplap"
	Generic type	Wood
	Name of supplier	Robert Price Ltd
	Thickness	15mm
	Density	The sponsor of the test was unable to provide this information
Brief description of manufacturing process		The sponsor of the test was unwilling to provide this information

The description of the specimens as given above is not as detailed as would usually be the case for descriptions included in **Exova Warringtonfire** test reports and the description may not fully comply with the requirements of the test standard. In all other respects however the tests were conducted fully in accordance with the requirements of the test standard and the test results are valid

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Exova Warringtonfire	Eco-Sol Ltd	WF 380404	EN ISO 11925-2
Exova Warringtonfire	Eco-Sol Ltd	WF 379996	EN 13823

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 (30s exposure - surface)	F _s	6	50mm	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F _s	6	30mm	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	101.60	Compliant
	FIGRA _{0.4MJ}		80.18	Compliant
	THR _{600s}		6.60	Compliant
	LFS		None	Compliant
	SMOGRA		24.82	Compliant
	TSP _{600s}		115.92	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007+A1:2009.

4.2 Classification

The product, "Flametect C-WD+", a Siberian larch timber coated on both faces with a flame retardant grade coating, in relation to their reaction to fire behaviour are classified:

B

The additional classification in relation to smoke production is:

S2

The additional classification in relation to flaming droplets / particles is:

d0

The format of the reaction to fire classification for construction applications, excluding flooring and linear pipe thermal insulation is:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	2	,	d	0

Reaction to fire classification: B – s2, d0

4.3 Field of application

This classification is valid for the following end use applications:

- i) Wall and ceiling applications
- ii) Free standing

This classification is also valid for the following product parameters:

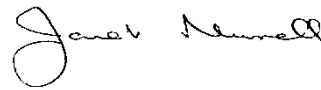
Overall product thickness	16mm or greater
Application rate weight per unit area	No variation allowed
Product colour	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

SIGNED



.....
Katie Williams
Junior Certification Engineer

APPROVED



.....
Janet Murrell
Technical Manager
Technical Department
on behalf of **Exova Warringtonfire**

Issue 2: 21st March 2017

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