

**CLASSIFICATION OF REACTION TO FIRE
IN ACCORDANCE WITH EN 13501-1:2018**

Sponsor: Lumir Oy
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Notified Body No: 0809

Product: Lumir Spray, Lumir Comfort

Classification report No: EUFI29-20004038-T3

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This classification report consists of four pages and may be used or reproduced in its entirety.

1 Introduction

This classification report defines the classification assigned to the product Lumir Spray, Lumir Comfort in accordance with the procedures given in EN 13501-1:2018.

2 Details of classified product

2.1 General

The product Lumir Spray, Lumir Comfort is defined as an acoustic coating.

2.2 Product description

The product Lumir Spray, Lumir Comfort is described below.

Product name: Lumir Spray, Lumir Comfort

Manufacturer: Lumir Oy

Product description: Biofibre based acoustic coating

Fibre type: Wood fibre

Density: 1 kg/m³

Thickness of product: 6...10 mm

Organic content: 75...90 %

Fire retardants: Borax (4...8 %), Boric acid (4...8 %)

3 Test reports and test results in support of classification

3.1 Test reports

Name of laboratory	Name of sponsor	Test report	Test method and date
Eurofins Expert Services Oy	Lumir Oy	EUFI29-20004038-T1	EN 13823 11 September 2020
Eurofins Expert Services Oy	Lumir Oy	EUFI29-20004038-T2	EN ISO 11925-2 11 September 2020

3.2 Test results

Test method	Parameter	Number of tests	Continuous parameter mean (m)	Compliance parameters
EN 13823	FIGRA _{0,2 MJ} (W/s)	3+2	94 ¹⁾ , 78 ²⁾ , 68 ³⁾	Compliant
	FIGRA _{0,4 MJ} (W/s)	3+2	84 ¹⁾ , 70 ²⁾ , 58 ³⁾	Compliant
	THR _{600s} (MJ)	3+2	6,2 ¹⁾ , 7,2 ²⁾ , 6,5 ³⁾	Compliant
	LFS edge	3+2	-	Compliant
	SMOGR _A (m ² /s ²)	3+2	0 ¹⁾ , 0 ²⁾ , 0 ³⁾	Compliant
	TSP _{600s} (m ²)	3+2	18 ¹⁾ , 20 ²⁾ , 17 ³⁾	Compliant
	Flaming droplets / particles	3+2	-	Compliant
EN ISO 11925-2				
Surface exposure Exposure time 30 s	Flame spread ≤ 150 mm	6	-	Compliant
Flaming droplets/particles	Ignition of the filter paper	6	-	Compliant

1) 6 mm thick product (3 tests) 2) 8 mm thick product (1 test) 3) 10 mm thick product (1 test)

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018.

4.2 Classification

The product Lumir Spray, Lumir Comfort in relation to reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

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

d0

The format of the reaction to fire classification is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	1	,	d	0

4.3 Field of application

This classification is valid for the following product parameters:

- thickness 6...10 mm
- density 1 kg/m³
- organic content 75...90 %
- fire retardants: Borax (4...8 %), Boric acid (4...8 %)

This classification is valid for the following end use application:

- the substrate is of class A1 or A2 with a density of at least 600 kg/m³
- without vertical or horizontal joints

5 Limitations

This classification report does not represent type approval or certification of the products.

Espoo, 11 September 2020

Tatu Waltari
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DISTRIBUTION

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