

**EXTERNAL EXPOSURE TO FIRE CLASSIFICATION REPORT  
OF ROOF COVERING CONSTRUCTION**

**Sponsor:** Build Care Oy  
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**Notified Body No:** 0809

**Products:** ElaProof

**Classification report No:** EUFI29-19001260-T2

**Date of issue:** 29 March 2019

## 1 Introduction

This classification report defines the classification assigned to the roof covering ElaProof, in accordance with the procedures given in EN 13501-5:2016.

## 2 Description of the roof covering

The roofing product ElaProof is described below.

ElaProof:

Manufacturer: Build Care Oy

Product description: Waterborne, protective and waterproofing coating material for extending lifetime of aging roofs, sealing ducts and grommets, protecting plinths, repairing leaks, patching or bridging holes, cracks, etc.

Product composition: Aqueous copolymer composition based on acrylate polymers dispersion contains 15 – 25 % of non-flammable inorganic pigments, fillers and additives.

Typical dry film thickness: 1 mm

Spreading rate: approximately 1 - 1,8 l/m<sup>2</sup> depending on the porosity of the surface

## 3 Test reports and test results in support of classification

### 3.1 Test report

Name of laboratory	Name of sponsor	Test report	Test method and date
Eurofins Expert Services Oy	Build Care Oy	EUFI29-19001260-T1	CEN TS 1187 Test 2 29 March 2019

### 3.2 Test 2

Test pitch: 30°

Substrate: Wood particle board of density  $(680 \pm 50)$  kg/m<sup>3</sup> and thickness  $(19 \pm 2)$  mm

Parameter	Criteria							Compliance
	Mean	Max	Spec. 1	Spec. 2	Spec. 3	Mean	Max	
Damaged length at 2 m/s – roof covering	≤ 550	≤ 800	450	521	426	466	521	Yes
Damaged length at 2 m/s – substrate	≤ 550	≤ 800	237	367	310	305	367	Yes
Damaged length at 4 m/s – roof covering	≤ 550	≤ 800	590	462	424	492	590	Yes
Damaged length at 4 m/s – substrate	≤ 550	≤ 800	476	287	228	330	476	Yes

## 4 Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-5:2016.

### 4.2 Classification

The roof covering, ElaProof in relation to its external fire performance is classified:

B<sub>ROOF</sub> (t2)

### 4.3 Field of application

This classification is valid for the following conditions:

- Combustible and non-combustible substrates with density of at least 510 kg/m<sup>3</sup>

## 5 Limitations

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

Espoo, 29 March 2019

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Distribution

Customer

Electronically approved