

*This classification report replaces the classification report EUFI29-23000306-T2 dated 29 March 2023  
Structure of the specimen corrected, addition of the definition of the substrate and addition on deviation  
section.*

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

**Sponsor:** **Bestor Group AS**  
Valdeku 168  
EE-11217 Tallinn

**Prepared by:** **Eurofins Expert Services Oy**  
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**Notified Body No:** 0809

**Products:** **FATRAFOL 810/V (1,2 mm)**

**Classification report No:** EUFI29-23000306-T12

**Date of issue:** 8 May 2023

## 1 Introduction

This classification report defines the classification assigned to the roof covering products **FATRAFOL 810/V (1,2 mm)** in accordance with the procedures given in EN 13501-5:2016.

## 2 Description of the roof covering and substrate

The product **FATRAFOL 810/V (1,2 mm)** are described below.

### Top layer

- Product description: roofing membrane on the basis of PVC-P reinforced with a polyester grid
- Nominal mass per unit area: 1430 g/m<sup>2</sup>
- Thickness: 1,2 mm
- Manufacturer: Fatra, a.s., třída Tomáše Bati 1541, 763 61 Napajedla, Česká republika

### Glass fleece

- Product name: microlith® - glass fiber mat
- Nominal mass per unit area: 120 g/m<sup>2</sup>
- Manufacturer: Alpax s.r.o. , Terronská 19/580 ,160 00 Praha 6, Česká republika

### EPS insulation board

- Product name: EPS S
- Thickness: 100 mm
- Manufacturer: BACHL, spol.sr.o., Evropská 669, 664 42 Modřice, Česká republika

### Poyuethylene foil (PE foil), vapour control barrier

- Product name: fatrapar 200
- Nominal thickness: 0,2 mm
- Manufacturer: PYTLÍK, a.s., IČ: 26459990, Bečovská1326/9, 104 00 Praha 10 – Uhřetěves, Česká republika

### 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	<b>Bestor Group AS</b>	EUFI29-23000306-T11	CEN TS 1187 Test 2 8 May 2023

#### 3.2 Test 2

Test pitch: 30°

Roof covering: **FATRAFOL 810/V (1,2 mm)**

Substrate: Wood particle board, OSB 3 density 581 kg/m<sup>3</sup>

Parameter	Criteria							Compliance
	Mean	Max	Spec. 1	Spec. 2	Spec. 3	Mean	Max	
Damaged length at 2 m/s wind speed – roof covering	≤ 550	≤ 800	428	442	409	426	442	Yes
Damaged length at 2 m/s wind speed – substrate	≤ 550	≤ 800	0	0	0	0	0	Yes
Damaged length at 4 m/s wind speed – roof covering	≤ 550	≤ 800	505	525	510	513	525	Yes
Damaged length at 4 m/s wind speed – substrate	≤ 550	≤ 800	0	0	0	0	0	Yes

Roof covering: **FATRAFOL 810/V (1,2 mm)**  
 Substrate: Standard wood particle board density 680 kg/m<sup>3</sup>

Parameter	Criteria							Compliance
	Mean	Max	Spec. 1	Spec. 2	Spec. 3	Mean	Max	
Damaged length at 2 m/s wind speed – roof covering	≤ 550	≤ 800	485	-	-	485	485	Yes
Damaged length at 2 m/s wind speed – substrate	≤ 550	≤ 800	0	-	-	0	0	Yes
Damaged length at 4 m/s wind speed – roof covering	≤ 550	≤ 800	492	-	-	492	492	Yes
Damaged length at 4 m/s wind speed – substrate	≤ 550	≤ 800	0	-	-	0	0	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 products **FATRAFOL 810/V (1,2mm)** in relation to its external fire performance is classified:

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

#### 4.3 Field of application

Any combustible and non-combustible substrate with density  $\geq 510 \text{ kg/m}^3$

#### 5 Limitations

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

**Espoo, 8 May 2023**

Taru Huokuniemi  
Senior Expert

DISTRIBUTION

Customer

Electronically approved