

This test report replaces the test report EUFI29-23000306-T6 dated in 28 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**
Kivimiehentie 4
FI-02150 Espoo, Finland

Notified Body No: 0809

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

Classification report No: EUFI29-23000306-T14

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 name: FATRAFOL 810/V (1,2 mm)
- Product description: roofing membrane on the basis of PVC-P reinforced with a polyester grid
- Nominal mass per unit area: 1430 g/m²
- 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/m²
- Manufacturer: Alpax s.r.o. , Terronská 19/580 ,160 00 Praha 6, Česká republika

Mineral wool insulation board

- Product name: PAROC ROS 50
- Thickness: 50 mm
- Manufacturer: Paroc Group, Energiakuja 3, FI-00180 Helsinki, Finland

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	Bestor Group AS	EUFI29-23000306-T13	CEN TS 1187 Test 2 8 May 2023

3.2 Test 2

Test pitch: 30°

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

Substrate: Standard wood particle board density 581 kg/m³

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	436	397	452	428	452	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	468	463	493	475	493	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/m³

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	460	-	-	460	460	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	466	-	-	466	0	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 (1,2 mm)** in relation to its external fire performance is classified:

B_{ROOF} (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