



PAVUS, a.s.

AUTHORIZED BODY 216
NOTIFIED BODY 1391
ACCREDITED CERTIFICATION BODY FOR
PRODUCTS N° 3041

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CLASSIFICATION REPORT ON THE EXTERNAL FIRE EXPOSURE OF ROOFS

The object of
classification :

Roofs and roofs covering

in accordance with ČSN EN 13501-5+A1:2010, clause 8.1

Issue number:

PK5-01-11-006-A-0

Product name and type:

Waterproof membrane FATRAFOL 807/V

Sponsor:

*Fatra, a.s.
tř. Tomáše Bati 1541
736 61 Napajedla*

Issuing organization:

*PAVUS, a.s.
Authorized Body 216
Notified Body 1391
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1. INTRODUCTION

- 1.1. This Classification Report specifies the classification method for the product conformity with the procedures set forth in ČSN EN 13501-5+A1.
- 1.2. This Classification Report has 4 pages and it can be used or reproduced as a whole only.

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General

Waterproof membrane FATRAFOL 807/V (thickness of 1.9 mm) is the PVC-P roof membrane with underlayer from PES non-woven textiles. Membrane is made by multiple extrusion. Mass per area is 2.04 kg/m².

2.2. Detail roof description

Composition from the upside:

Waterproof membrane FATRAFOL 807/V, thickness of 1.9 mm

PU glue Millennium PG-1

heat insulation – PIR Powerdeck F, thickness of 100 mm

PU glue Millennium PG-1

oxidized bitumen strip

underlying chipboard panel

Anchorage of *waterproof membrane FATRAFOL 807/V (thickness of 1.9 mm)* to the heat insulation PIR Powerdeck F was carried out by PU glue Millennium PG-1. Heat insulation bottom side PIR Powerdeck F (thickness of 100 mm) was anchored by PU glue Millennium PG-1 to oxidized bitumen strip, melted to underlying chipboard panels.

The tests were performed on the underlying boards from chipboards made according to clause 6.5.2.3 b) – it is valid for all wood coherent boards, all boards from wood decks with straight edges and for all non-flammable coherent boards with joints maximum of 5 mm.

The roof pitch, tested at 15°, is determined in practice according to clause 6.5.2.5.1 for a roof pitch to 20°.

3. TESTS REPORTS / EXTENDED APPLICATION REPORTS AND TEST RESULTS IN SUPPORT OF CLASSIFICATION

3.1. Test report

Name of the Laboratory Address Accreditation number:	Name of sponsor of the Test Report	Report number	Test method
PAVUS, a. s. Veselí nad Lužnicí AZL č. 1026	Fatra, a.s. tř. Tomáše Bati 1541 736 61 Napajedla	Pr-11-2.100 2011-09-02	ČSN P ENV 1187 – Test method 1

3.2. Test results of the roofs exposed to the impingement of external fire

Parameter	Criteria	Test results of the specimen				
		Specimen 1	Specimen 2	Specimen 3	Specimen 4	Conformity
Propagation of fire in inner plane upwards	$< 0.700\text{ m}$	0.120	0.090	-	-	YES
Propagation of fire in outer plane upwards	$< 0.700\text{ m}$	-	-	-	--	YES
Propagation of fire in inner plane downwards	$< 0.600\text{ m}$	-	-	-	-	YES
Propagation of fire in outer plane downwards	$< 0.600\text{ m}$	-	-	-	-	YES
maximum length of inner burn-away	$< 0.800\text{ m}$	0.120	0.090	-	-	YES
maximum length of outer burn-away	$< 0.800\text{ m}$	-	-	-	-	YES
burning drops/particles falling off the heated side	none	none	none	none	none	YES
burning drops/particles penetrating through the roof	none	none	none	none	none	YES
monolithic burnt-through hole	$< 25\text{ mm}^2$	-	-	-	-	YES
total of all the burnt-through holes	$< 4,500\text{ mm}^2$	-	-	-	-	YES
total of all the burnt-through holes	$< \text{edges}^*$	-	-	-	-	YES
inner glowing	none	-	-	-	-	YES
fire propagation radius(horizontal roof)	$< 0.200\text{ m}$	-	-	-	-	YES

* edges of the measuring zone

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of classification

This classification has been carried out in accordance with clause 8.1, ČSN EN 13501-5 + A1.

4.2. Classification

The product – *waterproof membrane FATRAFOL 807/V (thickness of 1.9 mm)* - is, in conformity with its behaviour under the tests of the roofs exposed to the impingement of external fire, classified into the class below:

B ROOF (t1)

4.3. Field of application

This classification applies for the following end-use applications:

The product *waterproof membrane FATRAFOL 807/V (thickness of 1.9 mm)* is intended for gluing straight on roof covering construction, satisfying requirements for flatness, in case of need on the suitable heat insulation layer.

5. LIMITATIONS

This Classification Report does not represent type approval or certification of the product.

This classification is valid, if it does not occur to the changes of conditions, under which was issued.

The customer may request the issuing authority to review the influence of changes to the classification availability.

Elaborated by:



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