



EXTERNAL EXPOSURE TO FIRE
CLASSIFICATION REPORT № 2521/12/Z00NP

of product:

The roofing system with roofing membrane covering
“FATRAFOL 810/V 1,20 mm”

On behalf of
OWNERS OF CLASSIFICATION REPORT

Fatra a.s.
Třída. T. Bati 1541
Napajedla, 763 61 Napajedla,
Czech Republic

Contract №: 2521/12/Z00NP

1 Introduction

This classification report defines the classification assigned to the roofing system with roofing membrane covering “FATRAFOL 810/V 1,20 mm” in accordance with the procedures given in PN-EN 13501-5+A1:2010, metoda 2.

2 Description of the roof

The roofing system with roofing membrane “FATRAFOL 810/V 1,20 mm” covering.

Layer's arrangement from the underside of the roof:

- vapour control barrier foil (thickness 0,2 mm),
- mineral wool board (minimum thickness 60 mm),
- expanded polystyrene boards (minimum thickness 140 mm at least reaction to fire class E according to PN-EN 13501-1),
- glass fleece (surface weight 120 g/m²),
- PVC-P roofing membrane “FATRAFOL 810/V 1,20 mm”; membrane can contain fire retardants, but the type and amount is not monitored.

3 Test reports and test results in support of this classification

3.1 Test reports

Name of laboratory	Name of sponsor	Test report ref. №	Test Method
Laboratorium Badań Ogniwych ITB	Fatra a.s. Třída. T. Bati 1541 763 61 Napajedla, Czech Republic	LPP01-2521/12/Z00NP	PN-ENV 1187:2004 (badanie 2)

3.2 Test results

Parameter	Criteria		Test results					Compliance
	Average	Max	Specimen № 1	Specimen № 2	Specimen № 3	Average	Max	
The length of damaged material 2m/s – roof covering	≤ 550 mm	≤ 800 mm	270	320	290	293,3	320	Y
The length of damaged material 2m/s – substrate	≤ 550 mm	≤ 800 mm	0	0	0	0	0	Y
The length of damaged material 4m/s – roof covering	≤ 550 mm	≤ 800 mm	190	200	290	226,6	290	Y
The length of damaged material 4m/s – substrate	≤ 550 mm	≤ 800 mm	0	0	0	0	0	Y

Test conditions: Temperature of air: 21,5°C

Test pitch: 30°

Substrate: ;

Y - yes

4 Classification and field of application

4.1 Reference

This classification has been carried out in accordance with PN-EN 13501-5+A1:2010.

4.2 Classification

The roofing system with roofing membrane "FATRAFOL 810/V 1,20 mm" covering, described in the section 2, in relation to its fire performance is classified:

B_{roof} (t2)

4.3 Field of application

This classification is valid for the following conditions:

- 1) Density of the polystyrene boards $\geq 29 \text{ kg/m}^3$,
- 2) Reaction to fire class of the polystyrene boards: E according to PN-EN 13501-1,
- 3) PVC-P roofing membrane "FATRAFOL 810/V 1,20 mm" can contain fire retardants, but the type and amount is not monitored,
- 4) Thickness of PVC-P roofing membrane "FATRAFOL 810/V 1,20 mm" membrane: 1,20 mm,
- 5) Any pitch of the roof.

5 Limitations

5.1 Validity

This classification given remains valid 3 years till 13.12.2015, as long as the composition, structure and/or the production's technology remains unchanged.

5.2 Restrictions


This classification may be reproduced only by sponsor/owner in its entirety, with annexes, without comments, shortenings and changes.

Additional witnessed copies can be issued by Fire Research Department of ITB under the request of the report's owner only.

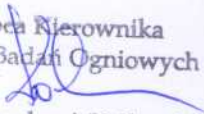
5.3 Warning

This European Standard does not represent type approval or certification report.

6 Statement:

Report	Name	Signature*	Date
Prepared by	Bartłomiej Papis		13.12.2012

* - For and on behalf of "Name of the organisation".

Zastępca Nierownika
Zakładu Badań Ogniwych

dr inż. Andrzej Kolbrecki