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## Waterproofing membrane FATRAFOL 810/V

### PRODUCT DESCRIPTION

FATRAFOL 810/V is a roofing membrane on the basis of PVC-P reinforced with a polyester grid. It is resistant to UV-radiation and can be exposed to the direct weathering influences.

### TECHNICAL PARAMETERS

Parameter	Standard	Value for assigned thickness			
		1.20 mm	1.50 mm	1.80 mm	2.00 mm
Visible defects	EN 1850-2	pass			
Streightness	EN 1848-2	≤ 50 mm			
Fitness		≤ 10 mm			
Mass per unit area	EN 1849-2	1.43 kg/m <sup>2</sup>	1.80 kg/m <sup>2</sup>	2.15 kg/m <sup>2</sup>	2.39 kg/m <sup>2</sup>
Water tightness, 400 kPa	EN 1928 method B	pass			
Reaction to fire	EN 13501-1	class E			
Joint peel resistance	EN 12316-2	≥ 260 N/50 mm			
Joint shear resistance	MD/CD EN 12317-2	≥ 1000 N/50 mm / ≥ 1000 N/50 mm			
Maximum tensile force	MD/CD EN 12311-2	≥ 1000 N/50 mm / ≥ 1000 N/50 mm			
Elongation at maximum tensile force	MD/CD method A	≥ 15 % / ≥ 20 %			
Impact resistance	EN 12691 method A	≥ 1000 mm	≥ 1250 mm		
	EN 12691 method B	≥ 2000 mm			
Resistance to static load	EN 12730 method B	≥ 20 kg			
Tear resistance	CD/MD EN 12310-2	≥ 200 N / ≥ 220 N			
Rezistance to root penetration	EN 13948 FLL test	Pass			
Dimensional stability	EN 1107-2	± 0,3 %			
Foldability at low temperature	EN 495-5	≤ -25 °C			
Exposure to UV radiation, elevated temperature and water (5000 h)	EN 1297	Pass, grade 0			
Water vapour properties - moisture resistance factor μ	EN 1931	15000 ± 30 %			

MD - Machine Direction, CD - Cross Direction, Mass per unit area tolerance: -5 % / +10 %

## APPROVALS / CERTIFICATES

- Declaration of performance and CE marking according to EN 13956:2012
- Classification of external fire performance according to EN 13501-5: B<sub>ROOF</sub> (t1), B<sub>ROOF</sub> (t2), B<sub>ROOF</sub> (t3), for a given composition of roof decks (test report on request)
- FM Approval for FATRAFOL 810/V B<sub>ROOF</sub> (t3), ID. 0003048015
- Environmental product declaration (EPD) according to ISO 14025

## DIMENSIONS

Thickness [mm] (ČSN EN 1849-2)	Width [mm] (ČSN EN 1848-2)	Length [m] (ČSN EN 1848-2)	Quantity on the roll [m <sup>2</sup> ]*
<b>1.20</b>	1650	25	41.25
	2050	25	51.25
<b>1.50</b>	1650	20	33
	2050	20	41
<b>1.80</b>	1650	16,5	27,225
	2050	16,5	33.825
<b>2.00</b>	1650	15	24.75
	2050	15	30.75

Upon agreement FATRAFOL 810/V can be produced in other dimensions.

Tolerance of thickness: -5 % / +10 %, tolerance of width: -0.5 % / +1 %, tolerance of length: -0 % / +5 %

\* informative value

## COLOUR AND APPEARANCE

Standard colour of top layer is light grey ~ RAL 7035. Other colours of top layer: dark grey ~ RAL 7012, red ~ RAL 3016, blue ~ RAL 5015, white ~ RAL 9010, green ~ RAL 6000, white-grey ~ RAL 7047. The colour of a back layer is grey, for white membrane is grey or white. Different colour shade of various surfaces of the membranes may differ. Minor visual appearance differences do not constitute the matter for a possible claim.

FATRAFOL 810/V dispose of the reinforcement fully integrated onto the smooth matte upper layer creating a fine texture.

## USAGE

FATRAFOL 810/V is designed for:

- mechanically fastened roof coverings
  - with point fastening or linear fastening
  - with adhering fixing discs or induction fastening
- flat roof with postponed ballast/traffic layer installation, with certain time gap applied
- pitched or steep roofs with ballast/traffic layer
- other roof types with ballast or traffic layer, where its small scale, logistics, or any other reason takes matter, the usage of FATRAFOL 810 is more advantageous than FATRAFOL 818

## APPLICATION

The laying of FATRAFOL 810/V can be made by specialized and for this purpose trained firms at the constructions.

FATRAFOL 810 is applied conformable with fundamentals being set and described in a Construction and Technologic Instruction FATRAFOL-S (PN 5415/2011), being valid in the time of waterproofing providing, available on [www.fatrafol.cz](http://www.fatrafol.cz).

## STORAGE

Store at temperature from -5 °C to +30 °C. There is necessary to protect the product from pollution at the building site and is recommended to protect it from weathering influences till the processing time.

## MORE INFORMATION

More information can be found on the manufacturer's website [www.fatrafol.cz](http://www.fatrafol.cz).

## LEGAL CLAUSE

The technical data contained herein are based on our current knowledge and experience and relate to the use of products under normal application conditions. The information that is included in the current technical data sheet is provided according to a method of use and is incomplete. Before using this product, the user has to check whether the product is suitable for intended use. In addition to that, all the users should contact the dealer or manufacturer of this product to obtain further technical information regarding its use if they are of the opinion that the information available to them requires any explanation, for both the normal and specific use of this product. Please always check that you have the latest version of the product technical data sheet at your disposal. This data sheet and further information can be obtained from the sales or technical representative of the manufacturer or at the website of the producer.

## PRODUCER

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