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Waterproofing membrane FATRAFOL 810

PRODUCT DESCRIPTION

FATRAFOL 810 is a waterproofing roof membrane made on the basis of PVCP reinforced with a polyester mesh. It is UV resistant and can be exposed to direct weathering.

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			
Straightness	EN 1848-2	≤ 50 mm			
Flatness	EN 1848-2	≤ 10 mm			
Mass per unit area	EN 1849-2	1.43 kg/m ²	1.80 kg/m ²	2.15 kg/m ²	2.39 kg/m ²
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	≥ 900 N/50 mm / ≥ 850 N/50 mm			
Maximum tensile force	MD/CD EN 12311-2	≥ 1000 N/50 mm / ≥ 950 N/50 mm			
Elongation at maximum tensile force	MD/CD method A	≥ 15 % / ≥ 15 %			
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	EN 12310-2	≥ 180 N			
Resistance 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_{ROOF} (t1), B_{ROOF} (t3), applicable for a particular composition of roof decks (test report on request)
- Environmental product declaration (EPD) according to ISO 14025

DIMENSIONS

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1848-2)	Length [m] (EN 1848-2)	Quantity on the roll [m ²]*
1.20	1300	25	32.50
	1500	25	37.50
	2050	25	51.25
1.50	1300	20	26.00
	1500	20	30.00
	2050	20	41.00
1.80	1300	16.5	21.45
2.00	1300	15	19.50
	2050	15	30.75

The membrane can be produced in other dimensions upon agreement.

Thickness tolerance: -5 % / +10 %, width tolerance: -0.5 % / +1 %, length tolerance: -0 % / +5 %

** informative value*

COLOUR AND APPEARANCE

Standard colour of the top layer is light grey ~ RAL 7035. Other colours of the top layer: dark grey ~ RAL 7012, red ~ RAL 3016, blue ~ RAL 5015, white ~ RAL 9010, green ~ RAL 6000, copper brown ~ RAL 8004 (to width 1500 mm), white-grey ~ RAL 7047, black-grey ~ RAL 7016. The colour of the bottom layer is grey, for white membranes it can be grey or white. The colour shade of various production batches of the membranes may differ. Minor colour differences are not considered justified grounds for a claim.

FATRAFOL 810 is provided with a reinforcement fully integrated into the smooth matt top layer creating a fine texture. If mutually agreed between the manufacturer and the customer, the membrane can also be produced in width 1300 mm with the embossed surface in pattern D205 or D336 or in width of 1025 mm and 2050 mm with the embossed surface in pattern D336 according to the formula of Fatra, a.s.

USAGE

FATRAFOL 810 is designed for:

- mechanically fastened roof coverings
 - spot or linear fastening
 - gluing to anchor targets or inductive anchoring
- flat roofs with ballast/operation layer installed after some time has passed
- pitched or steep roofs with a ballast/operation layer
- other roof types with a ballast or operation layer, where it is more convenient to apply FATRAFOL 810 instead of FATRAFOL 818 because of the small scale of the roof, logistics, or any other reasons

FATRAFOL 810 with the embossed surface is intended:

- as an additional layer on completed roof coverings in order to create access and service paths
- as independent roof covering of walkways (recommended thickness is 1.8 mm and more)

APPLICATION

FATRAFOL 810 can be laid on roofs only by specialised firms whose workers have been trained properly.

FATRAFOL 810 is applied in compliance with the principles determined and described in the Construction and Technological Instruction FATRAFOL-S (PN 5415/2011), as amended at the time of the membrane's application, which is available at www.fatrafol.cz.

STORAGE

Store at temperatures between -5 °C and +30 °C. On the site, it is necessary to protect the membrane against pollution. It is recommended to protect the membrane against weather effects until it is applied on the roof.

MORE INFORMATION

For more information, please see the manufacturer's website www.fatrafol.cz.

LEGAL CLAUSE

The technical data contained herein is based on our current knowledge and experience and relate to the use of the products under normal conditions for application. The information that is included in the current Technical Data Sheet is determined by the method of use and is incomplete. Before using this product, the user is obliged to check whether the product is suitable for the intended use. In addition to that, all users should contact the dealer or manufacturer of this product to obtain additional technical information regarding its use in case they are of the opinion that the information available to them requires some explanation, for both the standard and specific use of this product. Please always make sure that you have the latest version of the product's Technical Data Sheet at your disposal. This Data Sheet and additional information can be obtained from the sales or technical representative of the manufacturer or on the manufacturer's website.

PRODUCER

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