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Waterproofing membrane FATRAFOL 926 PG

PRODUCT DESCRIPTION

FATRAFOL 926 PG is a waterproofing roof membrane made on the basis of thermoplastic polyolefins (TPO) reinforced with glass fibre fleece. 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			
Streightness	EN 1848-2	≤ 50 mm			
Flatness	EN 1848-2	≤ 10 mm			
Mass per unit area	EN 1849-2	1.29 kg/m ²	1.60 kg/m ²	1.91 kg/m ²	2.12 kg/m ²
Water tightness, 60 kPa	EN 1928 met.B	pass			
Reaction to fire	EN 13501-1	class E			
Joint peel resistance	EN 12316-2	≥ 290 N/50 mm			
Joint shear resistance	MD/CD EN 12317-2	≥ 600/550 N/50 mm	≥ 650/600 N/50 mm	≥ 750/750 N/50 mm	≥ 800/800 N/50 mm
		(or breakage out of joint)			
Tensile strength	MD/CD EN 12311-2	≥ 10/9 N/mm ²			
Elongation at break	method B	≥ 550 %			
Impact resistance	EN 12691 method B	≥ 1000 mm			
Resistance to static load	EN 12730 method B	≥ 25 kg			
Tear resistance	EN 12310-2	≥ 150 N			
Tear resistance	MD/CD EN 12310-1	≥ 390/290 N	≥ 450/400 N	≥ 500/450 N	≥ 600/550 N
Resistance to root penetration	EN 13948	pass			
Dimensional stability	EN 1107-2	≤ 0.1 %			
Foldability at low temperature	EN 495-5	≤ -30 °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	280000 ± 30 %			
Heat aging - change in tensile strength - change in elongation at break	EN 12311-2	Δ ≤ 5 %			
Hail resistance	EN 13583	≥ 30 m/s			
Resistance to algae and microorganisms	ISO 846	pass			

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
- 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)

DIMENSIONS

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1848-2)	Length [m] (EN 1848-2)	Quantity on the roll [m ²]*
1.20	2100	25	52.5
1.50	2100	25	52.5
1.80	2100	20	42.0
2.00	2100	20	42.0

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

* informative value

COLOUR AND APPEARANCE

The colour of the top layer is light grey ~ RAL 7035 or white ~ RAL 9016. The colour of the bottom layer is black.

The colour shade of various production batches of the membranes may differ. Minor colour differences are not considered justified grounds for a claim.

USAGE

FATRAFOL 926 PG is intended for:

- mechanically anchored waterproofing of roofs exposed to weathering
- waterproofing of roofs covered with a stabilization/operating layer
- waterproofing of green roofs

APPLICATION

FATRAFOL 926 PG can be laid on roofs only by specialised firms whose workers have been trained properly.

FATRAFOL 926 PG 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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