

Waterproofing membrane FATRAFOL P 918/SG

TL 5-1018-10

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Product description

FATRAFOL P 918/SG is a roofing waterproofing membrane on basis of thermoplastic polyolefins with integrated combined reinforcement being made of polyester screen and glass fleece. The membrane is produced by multi-extrusion.

FATRAFOL P 918/SG is characterized by a high strength and dimensional stability; it has an excellent resistance to direct weathering influences including UV- radiation. It is resistant to current chemicals and tolerant to asphalt and polystyrene.

Usage

FATRAFOL P 918/SG is identified first of all for providing the single-ply coating coverings of the flat roofs being mechanically anchored to the underlay without loading layer. Its application can be recommended for all over there, where there are laid the highest demands for quality and durability of the roofing coatings.

FATRAFOL P 918/SG can be suitable applied as for new buildings, as for reconstructions of the roofing coverings due to its characteristics.

Application

The laying of FATRAFOL P 918/SG within the buildings can be provided by specialized building firms being especially trained due to this purpose, only. FATRAFOL P 918/SG is applied conformable with fundamentals being set and described in the Construction and technological instruction manual of the producer being valid at the time of making the waterproofing works.

A kind of anchoring must be proposed for concrete application in such a way for being the membrane provided against to dimensional changes and the wind suction.

The membrane can be mutual joined by hot air welding or by heating key, devices with gas temperature regulation. Temperature and welding speed settings must go out from the trials being provided directly under given conditions at the installation. Due to providing a perfect joint there is not necessary to treat the membrane by solvents. The membrane application can be provided under the temperature till up to -10 °C.

Product data

FATRAFOL P 918/SG fulfils requirements of the Standard
ČSN EN 13956:2006/AC 2006-06.

Dimensions:

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1848-2)	Length [m] (EN 1848-2)	Quantity [m ²]
1.50 (-0.07; +0.15)	2050 (-10; +20)	20 (-0; +1)	41
2.00 (-0.10; +0.20)	2050 (-10; +20)	15 (-0; +0.75)	30.75

Colour: FATRAFOL P 918/SG is produced in a colour of the upper layer of light grey according to RAL 7035. The back layer is in a colour grey according to RAL 7037.

Packing, transport, storage: FATRAFOL P 918/SG is packed into the rolls, which are laid on the wood pallets and fixed by a packing film. FATRAFOL P 918/SG must be transported in covered transporting means and stored in original closed packing. The recommended storage temperature is from -5 °C to +30 °C. There is necessary to protect the product from pollution at the building site. There is recommended to protect it from weathering influences till the processing time.

Technical parameters:

Characteristic	Test standard	Values of individual product thicknesses	
		1.50 mm	2.00 mm
Visible defects	EN 1850-2	meets	meets
Straightness	EN 1848-2	≤ 30 mm	≤ 30 mm
Flatness	EN 1848-2	≤ 10 mm	≤ 10 mm
Dimensional stability	EN 1107-2	max. ± 0.5 %	max. ± 0.5 %
Tensile strength	CD	≥ 950 N/50 mm	≥ 1050 N/50 mm
	MD	≥ 950 N/50 mm	≥ 1050 N/50 mm
Elongation at break	CD	≥ 15 %	≥ 15 %
	MD	≥ 15 %	≥ 15 %
Tear resistance	CD	≥ 250 N	≥ 300 N
	MD	≥ 250 N	≥ 300 N
Foldability at low temperature	EN 495-5	≤ -40 °C	≤ -40 °C
Joint peel resistance	CD	≥ 300 N/50 mm	≥ 300 N/50 mm
	MD	≥ 300 N/50 mm	≥ 300 N/50 mm
Joint shear resistance	CD	≥ 900 N/50 mm	≥ 950 N/50 mm
	MD	≥ 900 N/50 mm	≥ 950 N/50 mm
Water tightness, 10 kPa	EN 1928 method B	meets	meets
Resistance to static load	EN 12730 method B	meets 20 kg	meets 20 kg
Reaction to fire	EN 13501-1	Class E	Class E
Impact resistance	EN 12691 method A	meets 1250 mm	meets 1750 mm
	EN 12691 method B	meets 1500 mm	meets 2000 mm
Exposure to UV radiation, elevated temperature and water	EN 1297	meets, grade 0	meets, grade 0
Water vapour properties - factor μ	EN 1931	95000 ± 15000	95000 ± 15000
External fire performance	ENV 1187	B _{ROOF} (t1)	B _{ROOF} (t1)

MD - Machine Direction, CD - Cross Direction

Safety instruction**Scrap disposal**

FATRAFOL P 918/SG must be disposed conformable with valid legal regulations. The clear scrap can be recycled, scrap not suitable for recycling you can depony. Waste, polluted by dangerous substances, is necessary to dispose by burning in the incinerator of dangerous wastes.

Safety at work and health protection

There is necessary to keep all safety, hygienic and fire regulations valid in the time of laying and membrane joining.

Related documentation

- Construction and technologic regulation of roofing waterproofing system FATRAFOL-S
- Manufacturing control system certificate No. 1390-CPD-0129/11/Z of waterproofing membranes FATRAFOL P 918/SG and FATRAFOL P 918/SG-PV according to Standard ČSN EN 13956:2006/AC 2006-06, emitted by CSI, a. s., Prague, workstation Zlín

Producer

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