

Waterproofing membrane FATRAFOL P 918

TL 5-1012-07

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Product description

FATRAFOL P 918 is a roofing waterproofing membrane on a basis of thermoplastics polyolefines (TPO) with inbuild glass fleece. FATRAFOL P 918 is produced by multi-extrusion. The membrane is UV-radiation resistant and can be exposed to the direct weathering influences. It is resistant to current chemicals and tolerant to asphalt and polystyrene.

Usage

FATRAFOL P 918 is identified first of all for making the one-layer coating coverings of flat roofs loaded by aggregate fillings or operational layers.

Further is the membrane suitable for mechanical anchored roofs as a supplementary membrane for FATRAFOL P 918/SG. For complicated roof surfaces and detail finishing it is suitable to use homogenous roofing membrane FATRAFOL P 918/H.

Application

The laying of FATRAFOL P 918 within the buildings can be provided by specialized firms being especially trained due to this purpose, only.

FATRAFOL P 918 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. There is not necessary to treat a membrane with any solvents in the joint place due to make an excellent joint. The membrane application can be provided under the temperature till up to -10 °C.

Product data

FATRAFOL P 918 fulfils requirements of the Standard ČSN EN 13956.

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
1.80 (-0.09; +0.18)	2050 (-10; +20)	16,5 (-0, +0.8)	33
2.00 (-0,10; +0,20)	2050 (-10; +20)	15 (-0, +0.75)	30.75

Colour:

FATRAFOL P 918 is produced in a basic colour of the upper layer of light grey according to RAL 7035 or grey according to RAL 7037. The back layer is black.

Packing, transport, storage:

FATRAFOL P 918 is packed into the rolls, which are laid on the wood pallets and fixed by a packing film. FATRAFOL P 918 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	1.80 mm	2.00 mm
Visible defects	EN 1850-2	meets	meets	meets
Straightness	EN 1848-2	≤ 30 mm	≤ 30 mm	≤ 30 mm
Flatness	EN 1848-2	≤ 10 mm	≤ 10 mm	≤ 10 mm
Dimensional stability	EN 1107-2	max. ± 0.5 %	max. ± 0.5 %	max. ± 0.5 %
Tensile strength	EN 12311-2	≥ 6 MPa	≥ 6 MPa	≥ 6 MPa
Elongation	method B	≥ 450 %	≥ 450 %	≥ 450 %
Tear resistance	EN 12310-2	≥ 150 N	≥ 170 N	≥ 200 N
Foldability at low temperature	EN 495-5	≤ -40 °C	≤ -40 °C	≤ -40 °C
Joint peel resistance	EN 12316-2	≥ 300 N/50 mm	≥ 300 N/50 mm	≥ 300 N/50 mm
Joint shear resistance	EN 12317-2	≥ 400 N/50 mm	≥ 450 N/50 mm	≥ 500 N/50 mm
Water tightness 400 kPa	EN 1928 method B	meets	meets	meets
Resistance to static load	EN 12730 method B	meets 20 kg	meets 20 kg	meets 20 kg
Reaction to fire	EN 13501-1	Class E	Class E	Class E
Resistance to impact	EN 12691 method A	meets 800 mm	meets 800 mm	meets 1000 mm
	EN 12691 method B	meets 1000 mm	meets 1000 mm	meets 1250 mm
Exposure to UV radiation, elevated temperature and water	EN 1297	meets grade 0	meets grade 0	meets grade 0
Water vapour properties - factor μ	EN 1931	140000 \pm 20000	140000 \pm 20000	140000 \pm 20000

Safety instruction

Scrap disposal

FATRAFOL P 918 must be disposed conformable with valid legal regulations. The clear scrap can be recycled or used for energy, 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-0265/07/Z of waterproofing membranes FATRAFOL P 918 according to Standard ČSN EN 13956:2006, emitted by CSI, a. s., Prague, workstation Zlín

Producer

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