

# Waterproofing membrane FATRAFOL P 918/H

TL 5-1022-10

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## Product description

FATRAFOL P 918/H is a homogeneous waterproofing membrane on a basis of thermoplastics polyolefines (TPO). FATRAFOL P 918/H is produced by 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/H is identified as a supplement of TPO roofing membranes - FATRAFOL P 916, FATRAFOL P 918 and FATRAFOL P 918/SG, as well. The membrane is specified for detail working out, only and not suitable for the entire coating roofing being fitted by mechanically anchoring.

FATRAFOL P 918/H is fully tolerant to above mentioned types of FATRAFOL membranes and weldable with them.

## Application

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

FATRAFOL P 918/H 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.

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 <sup>2</sup> ]
2.00 (-0.10; +0.20)	2050 (-10; +20)	15 (-0, +0.75)	30.75
2.00 (-0.10; +0.20)	1025 (-5; +10)	15 (-0, +0.75)	15.375

Colour: FATRAFOL P 918/H is produced in a basic colour of the upper layer of light grey according to RAL 7035 or grey according to RAL 7037.

Packing, transport, storage: FATRAFOL P 918/H 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	Value	
Visible defects	EN 1850-2	meets	
Straightness	EN 1848-2	≤ 30 mm	
Flatness	EN 1848-2	≤ 10 mm	
Dimensional stability	EN 1107-2	max. ± 2 %	
Tensile strength	MD CD	EN 12311-2 method A	≥ 750 N/50 mm ≥ 750 N/50 mm
Elongation at brake	MD CD		≥ 800 % ≥ 800 %
Tear resistance	MD CD	EN 12310-2	≥ 180 N ≥ 180 N
Foldability at low temperature		EN 495-5	≤ -40 °C
Joint peel resistance	MD CD	EN 12316-2	≥ 250 N/50 mm ≥ 250 N/50 mm
Joint shear resistance	MD CD	EN 12317-2	≥ 450 N/50 mm ≥ 450 N/50 mm
Water tightness to liquid state 10 kPa		EN 1928 method B	meets
Resistance to static load		EN 12730 method B	meets 20 kg
Reaction to fire		EN 13501-1	Class F
Impact resistance		EN 12691 method A	meets 1250 mm
		EN 12691 method B	meets 1750 mm
Exposition to UV-radiation, higher temperature and water		EN 1297	meets grade0
Water vapour properties - factor μ		EN 1931	100000 ± 20000

MD - Machine Direction, CD - Cross Direction

**Safety instruction****Scrap disposal**

FATRAFOL P 918/H 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-0010/11/Z of waterproofing membranes FATRAFOL P 918/H according to Standard
- ČSN EN 13956:2006/AC:2006, emitted by CSI, a. s., Prague, workstation

**Producer**

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