

Product Description

Fatrafol 807v is a PVP-P based waterproof roofing membrane with underlay of a non-woven PES-textile (mass per unit area - 120g/m²). It is resistant to UV radiation and can be exposed to the direct weathering influences. Fatrafol 807 has one edge of the sheet without non-woven textile due to enable a longitudinal band joining.

Usage

Fatrafol 807v is identified for adhesion systems. The membrane can be adhered directly onto a construction of a roofing mantle, which fulfils requirements for flatness (Fibre-cement, vibrates concrete, etc), possibly onto a suitable waterproof layer beginning treated by heat. The expansion polyurethane adhesives which are especially identified for cementing can be applied.

The membrane is unsuitable for adhesion onto bitumen surfaces and for mechanical anchoring.

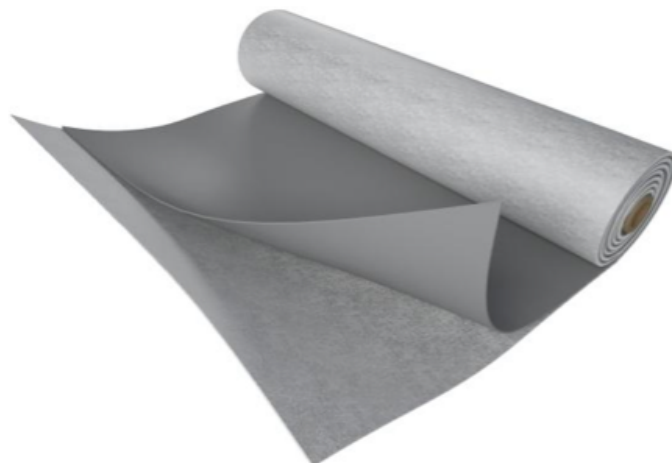
It is necessary to apply a homogenous sheet Fatrafol 804 due to detail working.

Application

The laying of Fatrafol 807v can be made by specialised and for this purpose trained firms at the constructions. The membrane is applied under conformity with fundamentals being set and described in a Construction and Technologic Instruction of the producer, being valid in the time of waterproofing.

The membrane must be adhered to a stable part of the substrate/coating by sticking (polyurethane adhesives).

The membrane is mutually jointed by welding of hot air. The laying and jointing can be carried out in temperatures up to -5 degrees celsius.



Product Data

Fatrafol 807v fulfils requirements of the standard EN 13956

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1848-2)	Length [m] (EN 1848-2)	Quantity [m ²]
<u>effective:</u> 1.20 (- 0.06; + 0.12) <u>total:</u> 1.60 *)	<u>total:</u> 2050 (- 10; + 20) <u>free edge:</u> 70 (± 10)	19 (- 0; + 0.95)	38.95
	<u>total:</u> 1650 (- 10; + 20) <u>free edge:</u> 70 (± 10)	19 (- 0; + 0.95)	31.35
		15 (- 0; + 0.75)	32.8
<u>effective:</u> 1.50 (- 0.07; + 0.15) <u>total:</u> 1.90 *)	<u>total:</u> 2050 (- 10; + 20) <u>free edge:</u> 70 (± 10)	16 (- 0; + 0.8)	
	<u>total:</u> 1650 (- 10; + 20) <u>free edge:</u> 70 (± 10)	16 (- 0; + 0.8)	26.43
		12 (- 0; + 0.6)	19.8
<u>effective:</u> 2.00 (- 0.10; + 0.20) <u>total:</u> 2.40 *)	<u>total:</u> 2050 (- 10; + 20) <u>free edge:</u> 70 (± 10)	13 (- 0; + 0.65)	26.65

Dimensions:

*) Informative value

Packing, transport & storage: Fatrafol 807 is packed into the rolls, which are laid on the wood pallets and fixed by a packing film. FATRAFOL 807 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

*) The samples meet also at the pressure of 60 kPa

Characteristic	Test standard	Values of individual product thicknesses		
		1.60 mm	1.90 mm	2.40 mm
Visible defects	EN 1850-2	meets	meets	meets
Straightness	EN 1848-2	≤ 50 mm	≤ 50 mm	≤ 50 mm
Flatness	EN 1848-2	≤ 10 mm	≤ 10 mm	≤ 10 mm
Dimensional stability	EN 1107-2	max. ± 0.3 %	max. ± 0.3 %	max. ± 0.3 %
Maximum tensile force	MD CD EN 12311-2 method A	≥ 650 N/50 mm ≥ 650 N/50 mm	≥ 700 N/50 mm ≥ 700 N/50 mm	≥ 950 N/50 mm ≥ 950 N/50 mm
Elongation at maximum tensile force	MD CD	≥ 150 % ≥ 150 %	≥ 150 % ≥ 150 %	≥ 150 % ≥ 150 %
Tear resistance	EN 12310-2	≥ 160 N	≥ 180 N	≥ 220 N
Foldability at low temperature	EN 495-5	≤ -25 °C	≤ -25 °C	≤ -25 °C
Joint peel resistance	EN 12316-2	≥ 200 N/50 mm	≥ 250 N/50 mm	≥ 280 N/50 mm
Joint shear resistance	EN 12317-2	≥ 600 N/50 mm	≥ 720 N/50 mm	≥ 800 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 1000 mm	meets 1250 mm	meets 1250 mm
	EN 12691 method B	meets 1500 mm	meets 2000 mm	meets 2000 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	10000 ± 3000	10000 ± 3000	10000 ± 3000
Mass per unit area	EN 1849-2	1.64 (-0.08; +0.16) kg/m ²	2.03 (-0.10; +0.20) kg/m ²	2.66 (-0.13; +0.27) kg/m ²
Resistance to root penetration	EN 13948 FLL test	meets	meets	meets

Safety Instruction

Scrap disposal: Fatrafol 807 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-0028/07/Z of waterproofing membranes Fatrafol 804, Fatrafol 807, Fatrafol 808, Fatrafol 814 according to Standard ČSN EN 13956:2006, emitted by CSI, a. s., Prague, workstation Zlín

