

Waterproofing membrane FATRAFOL 807/V

TL 5-1016-09

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Product description

FATRAFOL 807/V is the roofing membrane on the basis of PVC-P with underlay sheet of a non-woven PES-textile. The membrane is produced by multiple extrusion.

It is resistant to UV-radiation and can be exposed to the direct weathering influences.

One edge of the membrane is without non-woven textile due to enable a longitudinal band joining.

Usage

FATRAFOL 807/V is identified for adhesion directly on a roof deck construction, only – which meets all requirements for flatness (cement-bonded particleboards CETRIS[®], vibrated concrete, etc.), possibly for suitable thermal insulating layer. Fatrafol 807/V is not suitable for bitumen surface adhesion.

The expanding polyurethane adhesives are suitable for adhesion of it. Fatrafol 807/V is not useful for mechanical anchoring.

There is necessary to apply FATRAFOL 804 for detail working.

Application

The laying of FATRAFOL 807/V can be made by specialized and for this purpose trained firms at the constructions. The waterproofing membrane is applied under conformity with valid mounting instructions.

Adhesives being used for the membrane adhesion must ensure enough cohesion to the certain underlay, which are coming from the calculated values providing the resistance of the roof cladding at the wind loading.

There is possible to join the membrane together by heat air weldings. A laying setting of the waterproofing membrane is necessary to provide under recommended temperatures of the adhesive producer; band jointing between each other can be made under the temperature till up to -5 °C.

Product data

FATRAFOL 807/V meets the requirements of the Standard EN 13956.

Dimensions:

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 (± 0.15)	<u>total:</u> 2050 (- 10; + 20) <u>free edge:</u> 70 (± 10)	19 (- 0; + 0.95)	38.95
<u>effective:</u> 1.50 (- 0.07; + 0.15) <u>total:</u> 1.90 (± 0.20)	<u>total:</u> 2050 (- 10; + 20) <u>free edge:</u> 70 (± 10)	6 (- 0; + 0.8)	32.8
<u>effective:</u> 2.00 (- 0.10; + 0.20) <u>total:</u> 2.40 (± 0.25)	<u>total:</u> 2050 (- 10; + 20) <u>free edge:</u> 70 (± 10)	13 (- 0; + 0.65)	26.65

Colour:

FATRAFOL 807/V is produced in a basic colour of the upper layer of light grey - no. 2761 and in colour variant of dark gray - no. 2003

Packing, transport, storage:

FATRAFOL 807/V is packed into the rolls, which are laid on the wood pallets and fixed by a packing film. FATRAFOL 807/V 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		
		1.60 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 %
Tensile strength	EN 12311-2	≥ 650 N/50 mm	≥ 800 N/50 mm	≥ 950 N/50 mm
Elongation	method A	≥ 80 %	≥ 80 %	≥ 80 %
Tear resistance	EN 12310-2	≥ 180 N	≥ 220 N	≥ 240 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, 10 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
External fire performance	ENV 1187	B _{ROOF} (t1)	B _{ROOF} (t1)	B _{ROOF} (t1)
Mass per unit area	EN 1849-2	1.67 (-0.10; +0.20) kg/m ²	2.04 (-0.10; +0.20) kg/m ²	2.52 (-0.10; +0.20) kg/m ²
Resistance to root penetration	EN 13948 FLL test	meets	meets	meets

Safety instruction
Scrap disposal

FATRAFOL 807/V 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 membranes joining.

Related documentation

Construction and technologic regulation of roofing waterproofing system FATRAFOL-S
Manufacturing control system certificate No. 1390-CPD-0070/10/Z of waterproofing membranes FATRAFOL 807/V according to Standard ČSN EN 13956:2006/AC 2006-06, emitted by CSI, a. s., Prague, workstation Zlín

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