

Waterproofing membrane EKOFOL 819/V

TL 5-1026-11

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Product description

EKOFOL 819/V is a roofing membrane on the basis of PVC-P reinforced with a polyester grid. It is resistant to UV-radiation and can be exposed to the direct weathering influences.

EKOFOL 819/V is produced by a multi-extrusion processing.

Usage

EKOFOL is identified for making the one-layer coating coverings of flat roofs, mechanically anchored to the underley without loading layer.

Application

The laying of EKOFOL 819/V can be made by specialized and for this purpose trained firms at the constructions.

EKOFOL 819/V is applied conformable with fundamentals being set and described in a Construction and Technologic Instruction of the producer, being valid in the time of waterproofing providing. The membrane must be fixed to a stable part of a roofing coating by suitable way. The kind of anchoring must be proposed for the particular applications so for being the membrane secured from the dimensional changes and wind suction.

The membrane can be mutual jointed by welding of hot air or heat key (one-trace weld). The laying and jointing can be made under the temperature till up to -5 °C.

Product data

EKOFOL 819/V fulfils requirements of the Standard EN 13956.

Dimensions:

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1848-2)	Length [m] *) (EN 1848-2)	Quantity [m²]
1.20 (-0.06; +0.12)	2000 (-10; +20)	20 (-0; +1)	40
	2000 (-10; +20)	25 (-0; +1)	50
	1000 (-5; +10)	20 (-0; +1)	20
	1000 (-5; +10)	25 (-0; +1)	25
	1600 (-10; +20)	25 (-0; +1)	40
1.50 (-0.07; +0.15)	2000 (-10; +20)	15 (-0; +0.7)	30
	2000 (-10; +20)	20 (-0; +1)	40
	2000 (-10; +20)	25 (-0; +1)	50
	1000 (-5; +10)	15 (-0; +0.7)	15
	1000 (-5; +10)	20 (-0; +1)	20
	1600 (-10; +20)	20 (-0; +1)	32
1.80 (-0.09; +0.18)	2000 (-10; +20)	16.5 (-0; +0.8)	33
	1000 (-5; +10)	16.5 (-0; +0.8)	16.5

*) The membrane can be provided also in another winding lengths (deviation from the nominal length is of - 0 %; + 5 %) after agreement between producer and customer.

**) Informative value

Colour:

EKOFOL 819/V is produced in a basic colour of the upper layer of light gray - RAL 7040 and in colour variants of dark gray - RAL 7012, red - No. 3104, blue - No. 9113, glaucous - No. 7060, creamy - No. 2732 and green RAL 6002.

Packing, transport, storage:

EKOFOL 819/V is packed into the rolls, which are laid on the wood pallets and fixed by a packing film. EKOFOL 819/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	Value
Visible defects		EN 1850-2	meets
Straightness		EN 1848-2	≤ 50 mm
Flatness		EN 1848-2	≤ 10 mm
Dimensional stability		EN 1107-2	max. ± 0,5 %
Pevnost v tahu	MD	EN 12311-2 method A	≥ 1000 N/50 mm
	CD		≥ 1000 N/50 mm
Elongation at break	MD		≥ 15 %
	CD		≥ 15 %
Tear resistance	MD	EN 12310-2	≥ 200 N
	CD		≥ 220 N
Foldability at low temperature		EN 495-5	≤ -10 °C
Joint peel resistance	MD	EN 12316-2	≥ 150 N/50 mm
	CD		≥ 150 N/50 mm
Joint shear resistance	MD	EN 12317-2	≥ 800 N/50 mm
	CD		≥ 800 N/50 mm
Water tightness, 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 E
Impact resistance		EN 12691 method A	meets 1000 mm
		EN 12691 method B	meets 1500 mm
Exposure to UV radiation, elevated temperature and water		EN 1297	meets, grade 0
Water vapour properties - factor μ		EN 1931	15000 ± 5000
External fire performance		ENV 1187	B _{ROOF} (t1)
Resistance to root penetration		EN 13948 FLL test	meets

*) The membranes meet the test pressure of 60 kPa.

MD - Machine Direction, CD - Cross Direction

Safety instruction
Scrap disposal

EKO FOL 819/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 membrane joining.

Related documentation

- Construction and technologic regulation of roofing waterproofing system FATRAFOL-S
- Manufacturing control system certificate No. 1390-CPD-0161/11/Z of waterproofing membrane EKOFOL 819/V according to Standard
- ČSN EN 13956:2006/AC:2006, emitted by CSI, a. s., Prague, workstation Zlín

Producer

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