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Waterproofing membrane EKOPLAN 819

PRODUCT DESCRIPTION

EKOPLAN 819 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.

TECHNICAL PARAMETERS

Parameter	Standard	Value for assigned thickness			
		1.20 mm	1.50 mm	1.80 mm	2.00 mm
Visible defects	EN 1850-2	pass			
Streightness	EN 1848-2	≤ 50 mm			
Flatness	EN 1848-2	≤ 10 mm			
Mass per unit area	EN 1849-2	1.43 kg/m ²	1.78 kg/m ²	2.13 kg/m ²	2.37 kg/m ²
Water tightness, 400 kPa	EN 1928 method B	pass			
Reaction to fire	EN 13501-1	class E			
Joint peel resistance	EN 12316-2	≥ 200 N/50 mm			
Joint shear resistance	EN 12317-2	≥ 800 N/50 mm			
Maximum tensile force MD/CD	EN 12311-2 method A	≥ 1000 N/50 mm / ≥ 950 N/50 mm			
Elongation at maximum MD/CD tensile force		≥ 15 % / 15 %			
Impact resistance	EN 12691 method A	≥ 800 mm			
	EN 12691 method B	≥ 1500 mm			
Resistance to static load	EN 12730 method B	≥ 20 kg			
Tear resistance	EN 12310-2	≥ 180 N			
Rezistance to root penetration	EN 13948 FLL test	pass			
Dimensional stability	EN 1107-2	max. ± 0,5 %			
Foldability at low temperature	EN 495-5	≤ -10 °C			
Exposure to UV radiation, elevated temperature and water (5000 h)	EN 1297	pass, grade 0			
Water vapour properties - moisture resistance factor μ	EN 1931	20000 ± 30 %			

MD - Machine Direction, CD - Cross Direction

Mass per unit area tolerance: -5 % / +10 %

APPROVALS / CERTIFICATES

- Declaration of performance and CE marking according to harmonised EN 13956
- Classification of external fire performance according to EN 13501-5: B_{ROOF} (t1), for a given composition of roof decks (test report on request)
- Environmental product declaration (EPD) according to ISO 14025

DIMENSIONS

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1848-2)	Length [m] (EN 1848-2)	Quantity on the roll [m ² ^{*)}
1.20	1025	25.0	25.63
	1650	25.0	41.25
	2050	25.0	51.25
1.50	1025	20.0	20.50
	1650	20.0	33.00
	2050	20.0	41.00
1.80	1025	16.5	16.91
	1650	16.5	27.23
	2050	16.5	33.83
2.00	1025	15.0	15.38
	1650	15.0	24.75
	2050	15.0	30.75

Upon agreement EKOPLAN 819 can be produced in other dimensions.

Tolerance of thickness: -5 % / +10 %, tolerance of width: -0.5 % / +1 %, tolerance of length: -0 % / +5 %

^{)} informative value*

COLOUR AND APPEARANCE

Standard colour of top layer is light grey ~ RAL 7035. The colour of a back layer is black.

Different colour shade of various batches of surfaces of the membranes may differ. Minor differences of colour shade do not constitute the matter for a possible claim.

EKOPLAN 819 is smooth membrane with a matt surface structured by reinforcing grid.

USAGE

EKOPLAN 819 is intended for making the one-layer coating coverings of flat roofs, mechanically anchored to the underley without loading layer.

APPLICATION

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

EKOPLAN 819 is applied conformable with fundamentals being set and described in a Construction and Technologic Instruction FATRAFOL-S (PN 5415/2011), being valid in the time of waterproofing providing, available on www.fatrafol.cz.

STORAGE

Store at temperature from -5 °C to +30 °C. There is necessary to protect the product from pollution at the building site and is recommended to protect it from weathering influences till the processing time.

MORE INFORMATION

More information can be found on the manufacturer's website www.fatrafol.cz.

LEGAL CLAUSE

The technical data contained herein are based on our current knowledge and experience and relate to the use of products under normal application conditions. The information that is included in the current technical data sheet is provided according to a method of use and is incomplete. Before using this product, the user has to check whether the product is suitable for intended use. In addition to that, all the users should contact the dealer or manufacturer of this product to obtain further technical information regarding its use if they are of the opinion that the information available to them requires any explanation, for both the normal and specific use of this product. Please always check that you have the latest version of the product technical data sheet at your disposal. This data sheet and further information can be obtained from the sales or technical representative of the manufacturer or at the website of the producer.

PRODUCER

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