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Waterproofing membrane FATRAFOL 807/V

PRODUCT DESCRIPTION

FATRAFOL 807/V is a waterproofing roof membrane made on the basis of PVC-P with the base layer made of non-woven PES fleece with a density of 180 g/m². The membrane is UV resistant and can be exposed to direct weathering. In order to join the sheets easily, one edge of the membrane is always produced without the fleece.

TECHNICAL PARAMETERS

Parameter	Standard	Value for assigned effective thickness	
		1.50 mm	2.00 mm
Visible defects	EN 1850-2	pass	pass
Streightness	EN 1848-2	≤ 50 mm	≤ 50 mm
Flatness	EN 1848-2	≤ 10 mm	≤ 10 mm
Mass per unit area	EN 1849-2	2.12 kg/m ²	2.76 kg/m ²
Water tightness, 400 kPa	EN 1928 method B	pass	pass
Reaction to fire	EN 13501-1	class E	class E
Joint peel resistance	EN 12316-2	≥ 250 N/50 mm	≥ 280 N/50 mm
Joint shear resistance	EN 12317-2	≥ 700 N/50 mm	≥ 800 N/50 mm
Maximum tensile force	EN 12311-2 method A	≥ 700 N/50 mm	≥ 950 N/50 mm
Elongation at maximum tensile force		≥ 80 %	≥ 80 %
Impact resistance	EN 12691 method A	≥ 1000 mm	≥ 1250 mm
	EN 12691 method B	≥ 2000 mm	≥ 2000 mm
Resistance to static load	EN 12730 method B	≥ 20 kg	≥ 20 kg
Tear resistance	EN 12310-2	≥ 180 N	≥ 220 N
Rezistance to root penetration	EN 13948 FLL test	pass	pass
Dimensional stability	EN 1107-2	max. ± 1 %	max. ± 1 %
Foldability at low temperature	EN 495-5	≤ -25 °C	≤ -25 °C
Exposure to UV radiation, elevated temperature and water (5000 h)	EN 1297	pass, grade 0	pass, grade 0
Water vapour properties - moisture resistance factor μ	EN 1931	15000 ± 30 %	15000 ± 30 %

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

APPROVALS / CERTIFICATES

- Declaration of performance and CE marking according to EN 13956:2012
- 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 ^{*)}
effective: 1.50 total: 2.10 ^{*)}	total: 1650 free edge: 70 ± 10	16	26.4
	total: 2050 free edge: 70 ± 10	16	32.8
effective: 2.00 total: 2.60 ^{*)}	total: 2050 free edge: 70 ± 10	13	26.7

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

^{)} informative value*

COLOUR AND APPEARANCE

Standard colour of the top layer is light grey ~ RAL 7035. Other colours of the top layer: dark grey ~ RAL 7012, white ~ RAL 9010.

The colour shade of various production batches of the membranes may differ. Minor colour differences are not considered justified grounds for a claim.

The top layer of FATRAFOL 807/V has smooth matt surface while the bottom layer is covered with non-woven white fleece.

USAGE

The membrane is designed for fully adhered systems, in particular where FATRAFIX FM adhesive is used, for installation on:

- a suitable thermal insulation layer (e.g. PIR, EPS)
- a firm, durable and sufficiently even substructure (wood particles board, vibrated concrete etc)

In general, adhering to bitumen sheets is not recommended. It is suitable to have the particular substrate assessed by a specialist before you start the application.

APPLICATION

FATRAFOL 807/V can be laid on roofs only by specialised firms whose workers have been trained properly.

FATRAFOL 807/V is applied in compliance with the principles determined and described in the Construction and Technological Instruction FATRAFOL-S (PN 5415/2011), as amended at the time of the membrane's application, which is available at www.fatrafol.cz.

STORAGE

Store at temperatures between -5 °C and +30 °C. On the site, it is necessary to protect the membrane against pollution. It is recommended to protect the membrane against weather effects until it is applied on the roof.

MORE INFORMATION

For more information, please see the manufacturer's website www.fatrafol.cz.

LEGAL CLAUSE

The technical data contained herein is based on our current knowledge and experience and relate to the use of the products under normal conditions for application. The information that is included in the current Technical Data Sheet is determined by the method of use and is incomplete. Before using this product, the user is obliged to check whether the product is suitable for the intended use. In addition to that, all users should contact the dealer or manufacturer of this product to obtain additional technical information regarding its use in case they are of the opinion that the information available to them requires some explanation, for both the standard and specific use of this product. Please always make sure that you have the latest version of the product's Technical Data Sheet at your disposal. This Data Sheet and additional information can be obtained from the sales or technical representative of the manufacturer or on the manufacturer's website.

PRODUCER

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