



TL 5-1010-06

Issue No.: 11

Uncontrolled printing

Effective from: 08.12.2023

Waterproofing membrane FATRAFOL 814

PRODUCT DESCRIPTION

FATRAFOL 814 is a waterproofing roof membrane made on the basis of plasticised polyvinyl chloride (PVC) reinforced with glass fibre fleece. The membrane's top surface features a special anti-slip texture. The membrane is UV resistant and can be exposed to direct weathering.

TECHNICAL PARAMETERS

Parameter	Standard	Value for assigned thickness
		2.50 mm
Visible defects	EN 1850-2	pass
Streightness	EN 1848-2	≤ 5 mm
Flatness	EN 1848-2	≤ 5 mm
Mass per unit area	EN 1849-2	3.1 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	≥ 250 N/50 mm
Joint shear resistance	EN 12317-2	≥ 650 N/50 mm
Tensile strength	EN 12311-2	≥ 8 N/mm ²
Elongation at break	method B	≥ 150 %
Impact resistance	EN 12691 method A	≥ 1750 mm
	EN 12691 method B	≥ 2000 mm
Resistance to static load	EN 12730 method B	≥ 20 kg
Tear resistance	EN 12310-2	≥ 180 N
Dimensional stability	EN 1107-2	max. ± 0.1 %
Foldability at low temperature	EN 495-5	≤ -35 °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	18000 ± 30 %

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

APPROVALS / CERTIFICATES

- Declaration of performance and CE marking according to harmonised EN 13956
- Environmental product declaration (EPD) according to ISO 14025

DIMENSIONS

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1848-2)	Length ¹⁾ [m] (EN 1848-2)	Quantity on the roll ²⁾ [m ²]
2.50	1025	11.7	12
	2050	11.7	24

Thickness tolerance: -5 % / +10 %, width tolerance: -0.5 % / +1 %, length tolerance: -0 % / +5 %

¹⁾ Each roll includes 0,8 m of membrane above the nominal length which serve as replacement for the edge of the roll which may come with pressure mark.

²⁾ Informative value

COLOUR AND APPEARANCE

The colour of the top layer: light grey ~ RAL 7035, black-grey ~ RAL 7016, dark grey ~ RAL 7012, green ~ RAL 6000, copper brown ~ RAL 8004. The colour of the bottom layer is grey.

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

FATRAFOL 814 is an embossed membrane with a shiny textured surface.

USAGE

The membrane serves as walking waterproofing layer for:

- open terraces and balconies of residential buildings
- walkways on flat roofs waterproofed with FATRAFOL PVC-P membranes

FATRAFOL 814 achieves the minimum shear friction coefficient of 0.5 required by ČSN 74 4505 under both dry and wet conditions, as a result of which it is perfectly suitable to form the top layer for walkways on buildings.

APPLICATION

FATRAFOL 814 can be installed (on balconies, loggias, terraces) only by qualified contractors who have been properly trained for this purpose and who already have experience with the application of this type of membrane. Accurate installation and clean work impression is indispensable.

FATRAFOL 814 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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