



TL 5-1053-2022

Issue No.: 3

Uncontrolled printing

Effective from: 21.04.2024

## Waterproofing membrane FATRAFOL 813

### PRODUCT DESCRIPTION

FATRAFOL 813 is a membrane made on the basis of plasticised polyvinyl chloride (PVC-P) with integrated fleece and with a signal yellow layer, type T according to the EN 13967.

### TECHNICAL PARAMETERS

Parameter	Standard	Value for assigned thickness	
		1.50 mm	2.00 mm
Watertightness, 400 kPa	EN 1928 method B	pass	
Resistance to static load	EN 12730 method B	≥ 20 kg	
Tensile strength	EN 12311-2	≥ 11 N/mm <sup>2</sup>	
Elongation at break	method B	≥ 125 %	
Durability of watertightness against artificial ageing, 60 kPa	EN 1296 EN 1928	pass	
Durability of watertightness against chemicals, 60 kPa (Ca (OH) <sub>2</sub> , 10% NaCl, diesel, engine oil)	EN 1847 EN 1928	pass	
Resistance to impact	EN 12691 method A	≥ 1000 mm	
	EN 12691 method B	≥ 2000 mm	
Tear resistance	EN 12310-1	≥ 300 N	
Reaction to fire	EN 13501-1	class E	
Joint strength	EN 12317-2	≥ 770 N/50 mm	≥ 1000 N/50 mm
Water vapour transmission - factor μ	EN 1931	25000 ± 30 %	
Mass per unit area *)	EN 1849-2	1.94 kg/m <sup>2</sup>	2.58 kg/m <sup>2</sup>
Straightness	EN 1848-2	≤ 50 mm	
Visible defects	EN 1850-2	pass	

\*)informativve value

## APPROVALS / CERTIFICATES

- Declaration of performance and CE marking according to harmonised EN 13967

## DIMENSIONS

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1848-2)	Length [m] (EN 1848-2)	Quantity on the roll [m <sup>2</sup> *)
1.50	2050	20	41.00
2.00	2050	15	30.75

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

\*) informative value

## COLOUR AND APPEARANCE

The colour of the top layer is signal yellow. The colour of the bottom layer is black.

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

FATRAFOL 813 is a smooth membrane with matt surface.

## USAGE

FATRAFOL 813 is designed for clamped insulation of ground and underground constructions against strong pressure water and percolating waters. The membrane is suitable for application under extreme climatic conditions, welding under high surrounding temperature as well as for waterproofing of long vertical surfaces because this membrane does not become slack. The membrane can be used in constructions where contamination with petroleum substances, such as mineral oils and diesel fuel, may occur.

## APPLICATION

FATRAFOL 813 can be applied on construction sites only by specialised firms whose workers have been trained properly.

FATRAFOL 813 is applied in compliance with the principles determined and described in the Construction and Technological Instruction FATRAFOL-H (PN 5416/2011), as amended at the time of the membrane's application, which is available at [www.fatrafol.cz](http://www.fatrafol.cz).

## STORAGE

Store at temperatures between  $-5\text{ °C}$  and  $+30\text{ °C}$ . 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.

## MORE INFORMATION

For more information, please see the manufacturer's website [www.fatrafol.cz](http://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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