



TL 5-1002-06

Issue No.: 8

Uncontrolled printing

Effective from: 18.01.2024

## Waterproofing membrane EKOPLAST 806

### PRODUCT DESCRIPTION

**EKOPLAST 806** is a non-reinforced membrane on a base of plasticized polyvinylchloride (PVC-P), type T according to EN 13967.

### TECHNICAL PARAMETERS

Parameter	Standard	Value for assigned thickness	
		1.00 mm	1.50 mm
Watertightness, 400 kPa	EN 1928 method B	pass	
Resistance to static load	EN 12730 method B	≥ 20 kg	
Tensile strength	EN 12311-2 method B	≥ 15 N/mm <sup>2</sup>	
Elongation at break		≥ 250 %	
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, petrol Natural 95, engine oil 15 W-40, transformer oil, kerosene)	EN 1847 EN 1928	pass	
Resistance to impact	EN 12691 method A	≥ 700 mm	≥ 1250 mm
	EN 12691 method B	≥ 1500 mm	≥ 2000 mm
Tear resistance	EN 12310-1	≥ 200 N	≥ 300 N
Reaction to fire	EN 13501-1	class E	
Joint strength	EN 12317-2	≥ 560 N/50 mm	≥ 840 N/50 mm
Water vapour transmission - factor μ	EN 1931	18000 ± 30 %	
Mass per unit area <sup>1)</sup>	EN 1849-2	1.29 kg/m <sup>2</sup>	1.93 kg/m <sup>2</sup>
Straightness	EN 1848-2	≤ 50 mm	
Visible defects	EN 1850-2	pass	
Radon diffusion coefficient <sup>1) 2)</sup>	K124/02/95	5.2 · 10 <sup>-12</sup> m <sup>2</sup> /s	

<sup>1)</sup> informative value, <sup>2)</sup> test report on request

## APPROVALS / CERTIFICATES

- Declaration of performance and CE marking according to harmonised EN 13967
- 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 <sup>2</sup> ] <sup>1)</sup>
1.00	1300	30	39.0
1.50	1300	20	26.0

*The membrane can be produced in other dimensions upon agreement.*

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

<sup>1)</sup> *informative value*

## COLOUR AND APPEARANCE

The colour of the top layer is black ~ RAL 9011. The colour of the bottom layer is non-standard black..

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

EKOPLAST 806 has a smooth matt surface.

## USAGE

EKOPLAST 806 is primarily designed for the insulation of constructions determined for handling and storage of selected petroleum substances. The membrane prevents the petroleum substances from leaking into surface water as well as groundwaters and at the same time it serves as waterproofing membrane and anti-radon barrier. It is suitable for the insulation of petroleum handling areas and sumps where it prevents gasoline, petroleum, diesel fuel and heating oil, furnace and transformer oils from leaking.

The membrane can only be inbuilt in waterproofing constructions. It is not designed as the top coating layer and for this reason it cannot be used for waterproofing of reservoirs where petroleum substances are stored for a longer period of time.

## APPLICATION

EKOPLAST 806 can be applied on construction sites only by specialised firms whose workers have been trained properly.

EKOPLAST 806 is applied in compliance with the principles determined and described in the Construction and Technological Instruction of 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  $-5$  °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.

## 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

Fatra, a. s., třída Tomáše Bati 1541, 763 61 Napajedla, Czech Republic  
tel.: +420 577 50 3325 (1111)  
e-mail: [studio@fatrafol.cz](mailto:studio@fatrafol.cz)  
<http://www.fatrafol.cz>

