



TL 5-1048-2022/2

Issue No.: 3

Uncontrolled printing

Effective from: 29.06.2023

Waterproofing membrane FATRAFOL 803S

PRODUCT DESCRIPTION

FATRAFOL 803S is colour variant of the waterproofing ground membrane FATRAFOL 803 - non-reinforced waterproofing ground membrane made on the basis of plasticised polyvinyl chloride (PVC) with a signal yellow layer, type T according to the Standard 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	≥ 15 N/mm ²	
Elongation at break	method B	≥ 250 %	
Durability of watertightness against artificial ageing, 60 kPa	EN 1296 EN 1928	pass	
Durability of watertightness against chemicals, 60 kPa (Ca (OH) ₂ , 10% NaCl)	EN 1847 EN 1928	pass	
Resistance to impact	EN 12691 method A	≥ 1000 mm	≥ 1500 mm
	EN 12691 method B	≥ 2000 mm	
Tear resistance	EN 12310-1	≥ 350 N	≥ 450 N
Reaction to fire	EN 13501-1	class E	
Joint strength	EN 12317-2	≥ 840 N/50 mm	≥ 1120 N/50 mm
Water vapour transmission - factor μ	EN 1931	25000 ± 30 %	
Mass per unit area ¹⁾	EN 1849-2	1.97 kg/m ²	2.62 kg/m ²
Straightness	EN 1848-2	≤ 50 mm	
Visible defects	EN 1850-2	pass	
Radon diffusion coefficient ^{1) 2)}	K124/02/95	1.2 x 10 ⁻¹¹ m ² /s	

¹⁾ *informative value,* ²⁾ *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 ²] ¹⁾
1.50	1300	20	26
	1500	20	30
	2000	20	40
2.00	1200	15	18
	2000	15	30

The membrane can be produced in other dimensions upon agreement.

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

¹⁾
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.

The membrane has a smooth matt surface.

USAGE

FATRAFOL 803S is identified first of all for the closed waterproofing of ground and underground buildings against aggressive, pressure and leaking water and as waterproofing layer preventing from leakage of liquids and leaches into the ground water. According to the recommendations of ČSN P 73 0606, the membrane is preferred for insulation against pressure water, where the signal layer enables easier detection of mechanical damages to the membrane. The membrane is also suitable for insulation of ground tanks, reservoirs, agricultural buildings, water constructions and industrial reservoirs, where the manufacturer guarantees resistance against expected chemical impact. Besides its waterproofing function, the applied membrane works as anti-radon barrier.

APPLICATION

FATRAFOL 803S can be applied on construction sites only by specialised firms whose workers have been trained properly.

FATRAFOL 803S 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.

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.

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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