

## Product Description

Fatrafol 803 (803/V) is an unreinforced membrane on a base of plasticized polyvinylchloride (PVC-P), type T according to the Standard EN 13967.

FATRAFOL 803 is produced by calendering and lamination, FATRAFOL 803/V by a multi-extrusion processing. All the production variants are described by this Technical Data Sheet - further like FATRAFOL 803, only.

## Usage

Fatrafol 803 is identified first of all for the clamped waterproofing of ground and underground buildings to aggressive pressure and sucking water and as a waterproofing layer of waterproofing systems to leakage of liquids and leaches into the ground waters. The membrane is suitable for insulation of tunnels, ground tanks, reservoirs, agricultural buildings, water constructions and dispose of industrial products, which chemical influence respond to the membrane resistance warranted by the producer. The applied membrane fulfils also a function of anti-radon barrier within its waterproofed function.

The membrane is not identified for the direct contact with drinking water and for the applications due to long-life exposition to the atmospheric influences, mostly UV-radiation.

## Application

The laying of Fatrafol 803 is applied conformable with fundamentals set and described in the Construction and Technological Prescription of the Producer being valid in the time of waterproofing providing.

The membrane can be mutual joined by hot air welding. The laying and joining can be made under the temperatures of above -5 °C.

## Product Data

Fatrafol 803 fulfils requirements of the standard EN 13967

## Dimensions

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1849-2)	Length[m] (EN 1849-2)	Quantity [m <sup>2</sup> ]
<b>FATRAFOL 803</b>			
0.60 ± 0.05	1300 ± 20	50 (-0; +2.5)	65
0.80 ± 0.05	1300 ± 20	35 (-0; +1.7)	42
1.00 ± 0.10	1300 ± 20	30 (-0; +1.5)	39
1.50 ± 0.15	1300 ± 20	20 (-0; +1)	26
2.00 ± 0.20	1200 ± 20	15 (-0; +0.7)	18
<b>FATRAFOL 803/V</b>			
1.00 ± 0.10	2000 ± 20	25 (-0; +1.2)	50
1.50 ± 0.15	2000 ± 20	15 (-0; +0.75)	30

## Technical Parameters

Characteristic	Test standard	Values of individual product thicknesses	
		1.50 mm	2.00 mm
Visible defects	EN 1850-2	meets	meets
Straightness	EN 1848-2	≤ 50	≤ 50
Square weight - informative value	EN 1849-2	2.02 kg.m <sup>-2</sup>	2.70 kg.m <sup>-2</sup>
Dimensional stability, MD	EN 1107-2	max. ± 0.5 %	max. ± 0.5 %
Tensile strength	EN 12311-2	≥ 720 N/50 mm	≥ 960 N/50 mm
Elongation at break	method A	≥ 200 %	≥ 200 %
Resistance to tear	EN 12310-1	≥ 400 N	≥ 550 N
Foldability at low temperature	EN 495-5	≤ -20 °C	≤ -20 °C
Joint strength	EN 12317-2	≥ 650 N/50 mm	≥ 860 N/50 mm
Water tightness to liquid state, 60 kPa	EN 1928 method B	meets	meets
Resistance to static loading	EN 12730 method B	meets 20 kg	meets 20 kg
Reaction to fire	EN 13501-1	Class F	Class F
Impact resistance	EN 12691 method A	meets 1500 mm	meets 1750 mm
	EN 12691 method B	meets 2000 mm	meets 2000 mm
Durability of watertightness ageing artificial ageing, 60 kPa	EN 1296 EN 1928	meets	meets
Durability of watertightness ageing chemicals, 60 kPa (Ca(OH) <sub>2</sub> ; 10% NaCl)	EN 1847 EN 1928	meets	meets
Durability of watertightness ageing chemicals, 60 kPa (petroleum, transformer oil)	EN 1847 EN 1928	meets	meets
Water vapour transmission - factor $\mu$	EN 1931	25000 ± 7000	25000 ± 7000

### Safety Instruction

FATRAFOL 803 is not classified as a dangerous substance in sense of the Law about the chemical substance.

### Waste Disposal

FATRAFOL 803 must be disposed conformable with valid legal regulations. The clear scrap can be recycled, scrap not suitable for recycling you can depony. Waste, polluted by dangerous substances, is necessary to dispose by burning in the incinerator of dangerous wastes.

### Safety at work and health protection

There is necessary to keep all safety, hygienic and fire regulations valid in the time of laying and membrane joining.

### Related documentation

Construction and technologic regulation of waterproofing system Fatrafol-H

- Manufacturing control system certificate No. 1390-CPD-0022/06/Z of waterproofing membranes Fatrafol 804, Fatrafol 807, Fatrafol 808, Fatrafol 814 according to Standard ČSN EN 13967:2005, emitted by CSI, a. s., Prague, workstation Zlín

Record of measurement - Radon diffusion coefficient within membrane F A TRAFOL

Certificate EN ISO 9001 and EN ISO 14001 no. PRA 0003830, emitted by LRQA

