



WATERPROOFING
SYSTEMS

fatra



Technical Data Sheet: **TL 5-1002-06**

Issue Nr : 1

Effective from : 11.11.2006

WATERPROOFING MEMBRANES

WATERPROOFING SHEET EKOPLAST 806

PRODUCT DESCRIPTION

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

USAGE

EKOPLAST 806 is first of all identified for the waterproofing of objects determined for handling and temporary storage of selected petroleum substances. It hinders leakage of petroleum substances into surface moisture and groundwater in the waterproofing system and simultaneously it fulfils a function of insulation being resistant to water and effects as an efficiency anti-radon barrier. It is suitable e.g. for sealing of handling areas, emergency and leakage sumps against to leakage of gasoline, petroleum, diesel fuel and heating oil, furnace and transformer oils.

There is possible to use it for the waterproofing systems of buildings like an inbuilt sheet, only. It is not determined as an upper coating layer and that is why it cannot be used for reservoir laying out due to store the petroleum substances for a longer time

APPLICATION

EKOPLAST 806 is applied in accordance with fundamentals set and described in Construction and Technological Standards of the producer, being valid within the time of providing the waterproofing.

The sheet can be mutual connected by hot air welding. The laying and connection can be made under temperatures over +5 °C.

PRODUCT DATA

EKOPLAST 806 meets the requirements of the Standard EN 13967.

DIMENSIONS:

Thickness [mm]	Width [mm]	Length [m]	Quantity [m ²]
0,60 ± 0,05	1300 ± 20	50	65
1,00 ± 0,10	1300 ± 20	30	39
1,50 ± 0,15	1300 ± 20	20	26

COLOUR:

EKOPLAST 806 is produced in colour of dark grey – no.6002.



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PACKING, TRANSPORT, STORAGE:

EKOPLAST 806 is packed into rolls, the rolls are laid at wood pallets and fixed with packing film. There is recommended to transport it in covered transporting means and store them in original closed packs. The recommended storage temperature is of -5 °C to +30 °C. There is necessary to protect the sheet from contamination at the building site. There is recommended to protect the sheet from weather influences till the time of its processing.

TECHNICAL PARAMETERS:

Characteristic	Test Standard	Values of Individual Thicknesses of the Product		
		0,60 mm	1,00 mm	1,50 mm
Water tightness to liquid state, 60 kPa	EN 1928 method B	pass	pass	pass
Resistance to static loading	EN 12730 method B	≥ 20 kg	≥ 20 kg	≥ 20 kg
Tensile strength	EN 12311-2	≥ 420 N/50 mm	≥ 700 N/50 mm	≥ 1050 N/50 mm
Elongation at break	method A	≥ 250 %	≥ 250 %	≥ 250 %
Durability of watertightness againg artificial ageing, 60 kPa	EN 1296 EN 1928	pass	pass	pass
Durability of watertightness againg chemicals, 60 kPa (Ca(OH) ₂ ; 10% NaCl; petroleum; gasoline Natural 95; engine oil 15 W-40; transformer oil)	EN 1847 EN 1928	pass	pass	pass
Impact resistance at 23 °C (h = 300 mm)	EN 12691	Ø 10 mm	Ø 10 mm	Ø 10 mm
Impact resistance at -10 °C (h = 300 mm)	EN 12691	Ø 10 mm	Ø 10 mm	Ø 10 mm
Resistance to tear	EN 12310-1	≥ 180 N	≥ 300 N	≥ 450 N
Reaction to fire	EN 13501-1	Class E	Class E	Class E
Joint strength	EN 12317-2	≥ 340 N/50 mm	≥ 560 N/50 mm	≥ 840 N/50 mm
Water vapour transmission, factor μ	EN 1931	18 300	18 300	18 300
Square weight - informative value	EN 1849-2	0,77 kg.m ⁻²	1,29 kg.m ⁻²	1,93 kg.m ⁻²
Straightness	EN 1848-2	pass	pass	pass
Visible defects	EN 1850-2	pass	pass	pass
Diffusion radon coefficient in isolation D	K 124/02/95 ČVUT Praha	5,2 . 10 ⁻¹² m ² .s ⁻¹	5,2 . 10 ⁻¹² m ² .s ⁻¹	5,2 . 10 ⁻¹² m ² .s ⁻¹

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SAFETY INSTRUCTION

EKOPLAST 806 is not classified as a dangerous substance in term of law of chemical substances.

Scrap disposal

EKOPLAST 806 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 at laying and jointing the sheets valid in that time

RELATED DOCUMENTATION

- o *Construction and technological instruction of the FATRAFOL-H waterproofing system*
- o *Certificate of production control system no. 1390-CPD-0022/06/Z of waterproofing sheet Stafol 914, Ekoplast 806, Aquaplast 805, Fatrafol 803 according to Standard ČSN EN 13967:2005*
- o *Certificate of EN ISO 9001 and EN ISO 14001 no. PRA 0003830, emitted by LRQA*
- o *Safety Data Sheet, Waterproofing Sheet FATRAFOL, AQUAPLAST, STAFOL, EKOPLAST*

PRODUCE :

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