

Waterproofing membrane EKOPLAST 806

TL 5-1002-06

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Product description

EKOPLAST 806 is non reinforced membrane 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 membrane, 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 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

EKOPLAST 806 fulfils requirements of the Standard EN 13967.

Dimensions:

Thickness [mm] (ČSN EN 1849-2)	Width [mm] (ČSN EN 1849-2)	Length [m] (ČSN EN 1849-2)	Quantity [m ²]
0.60 ± 0.05	1300 ± 20	50 (-0; + 2.5)	65
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	1300 ± 20	15 (-0; +0.7)	18

Colour:

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

Packing, transport, storage:

EKOPLAST 806 is packed into the rolls, which are laid on the wood pallets and fixed by a packing film. EKOPLAST 806 must be transported in covered transporting means and stored in original closed packing. The recommended storage temperature is from -5 °C to +30 °C. There is necessary to protect the product from pollution at the building site. There is recommended to protect it from weathering influences till the processing time.

Technical parameters:

Characteristic	Test Standard	Values of individual product thicknesses			
		0.60 mm	1.00 mm	1.50 mm	2.00 mm
Water tightness to liquid state, 60 kPa	ČSN EN 1928 method B	meets	meets	meets	meets
Resistance to static loading	ČSN EN 12730 method B	meets 20 kg	meets 20 kg	meets 20 kg	meets 20 kg
Tensile strength	ČSN EN 12311-2 method A	≥ 420 N/50 mm	≥ 700 N/50 mm	≥ 1050 N/50 mm	≥ 1400 N/50 mm
Elongation at break		≥ 250 %	≥ 250 %	≥ 250 %	≥ 250 %
Durability of watertightness againg artificial ageing, 60 kPa	ČSN EN 1296 ČSN EN 1928	meets	meets	meets	meets
Durability of watertightness againg chemicals, 60 kPa (Ca(OH) ₂ ; 10% NaCl; petroleum; gasoline Natural 95; engine oil 15 W-40; transformer oil)	ČSN EN 1847 ČSN EN 1928	meets	meets	meets	meets
Impact resistance	ČSN EN 12691 method A	meets 600 mm	meets 700 mm	meets 1250 mm	meets 1500 mm
	ČSN EN 12691 method B	meets 1500 mm	meets 1500 mm	meets 2000 mm	meets 2000 mm
Tear resistance	ČSN EN 12310-1	≥ 180 N	≥ 250 N	≥ 350 N	≥ 450 N
Reaction to fire	ČSN EN 13501-1	Class E	Class E	Class E	Class E
Joint strength	ČSN EN 12317-2	≥ 340 N/50 mm	≥ 560 N/50 mm	≥ 840 N/50 mm	≥ 1120 N/50 mm
Water vapour transmission, factor μ	ČSN EN 1931	18000 ± 3000	18000 ± 3000	18000 ± 3000	18000 ± 3000
Square weight - informative value	ČSN EN 1849-2	0.77 kg.m ⁻²	1.29 kg.m ⁻²	1.93 kg.m ⁻²	2.58 kg.m ⁻²
Straightness	ČSN EN 1848-2	meets	meets	meets	meets
Visible defects	ČSN EN 1850-2	meets	meets	meets	meets
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	5.2 · 10 ⁻¹² m ² .s ⁻¹

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 valid in the time of laying and membrane joining.

Related documentation

- Construction and technological instruction of the FATRAFOL-H waterproofing system
- Certificate of production control system no. 1390-CPD-0022/06/Z of waterproofing membrane STAFOL 914, EKOPLAST 806, AQUAPLAST 805, FATRAFOL 803 according to Standard ČSN EN 13967:2005, emitted by CSI, a. s., Prague, workstation Zlín
- Certificate of EN ISO 9001 and EN ISO 14001 no. PRA 0003830, emitted by LRQA

Producer

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