

# Waterproofing membrane AQUAPLAST 805

TL 5-1001-06

2

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## Product description

AQUAPLAST 805 is a non reinforced membrane on base of plasticized polyvinylchloride (PVC-P), type T according to Standard EN 13967. Membrane is stabilized to UV radiation. It has very good chemical resistance to all waters occurring in nature without difference of volume of minerals and natural substances dissolved in it.

## Usage

AQUAPLAST 805 is first of all identified for inlaying of garden ponds due to growing water plants. It hinders to the water leakage. Then the membrane is suitable for waterproofing of ponds, fire reservoirs, small water reservoirs, irrigation reservoirs, etc. The applied membrane is harmless for fish and water plants.

## Application

Handling, jointing and laying of the membrane can be provided under temperatures above 0 °C; the membrane application is recommended to make under the temperature above +10 °C. Membranes can be mutual jointed by hot air welding. Membrane overlap at jointing must be at least 50 mm in all cases. Due to keeping a long-term functionality of waterproofing coat there is recommended to protect the membrane from mechanical damage and weathering influences. It should be made by a suitable protective material (e.g. synthetic geologic textile being loaded with concrete prefabricated elements, etc.).

## Warranties

Warranties for the trouble-free waterproofing function of coating insulation are subject to the waterproofing providing by specialized firms having a theoretical know-how and practical experiences of working with PVC-P waterproofing membranes. Warranties do not relate to the functionality losses of waterproofing coat in case of unprofessional material instalment or membrane mechanical damage caused by rough handling, aquatics or by outside fault.

## Product data

AQUAPLAST 805 fulfils the 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> ]
0.60 ± 0.05	1300 ± 20	50	65
0.80 ± 0.05	1300 ± 20	40	52
0.90 ± 0.05	1300 ± 20	30	39
1.00 ± 0.10	1300 ± 20	30	39
		200 (-0; +10)	260
1.20 ± 0.10	1300 ± 20	20	26
1.50 ± 0.15	1300 ± 20	20	26
		150 (-0; +7.5)	195

Colour: AQUAPLAST 805 is produced in a colour of black upper layer – no. 6001, anthracite - no. 7052, green - no. 7046 and glaucous – no. 7060. Reverse side of the membrane is black.

Packing, transport, storage: AQUAPLAST 805 is packed into the rolls, which are laid on the wood pallets and fixed by a packing film. AQUAPLAST 805 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:

Characteristics	Test standard	Values of individual thicknesses of the product		
		0.60 - 0.90 mm	1.00 - 1.20 mm	1.50 mm
Water tightness to liquid state, 60 kPa	EN 1928 method B	meets	meets	meets
Resistance to static loading	EN 12730 method B	meets 20 kg	meets 20 kg	meets 20 kg
Tensile strength	EN 12311-2 method A	≥ 360 N/50 mm	≥ 600 N/50 mm	≥ 900 N/50 mm
Elongation at break		≥ 300 %	≥ 300 %	≥ 300 %
Durability of watertightness againg artificial ageing, 60 kPa	EN 1296 EN 1928	meets	meets	meets
Durability of watertightness againg chemicals, 60 kPa (Ca(OH) <sub>2</sub> ; 10% NaCl)	EN 1847 EN 1928	meets	meets	meets
Impact resistance	EN 12691 method A	meets 600 mm	meets 800 mm	meets 1250 mm
	EN 12691 method B	meets 1500 mm	meets 200 mm	meets 2000 mm
Tear resistance	EN 12310-1	≥ 100 N	≥ 160 N	≥ 240 N
Reaction to fire	EN 13501-1	Class E	Class E	Class E
Joint strength	EN 12317-2	≥ 290 N/50 mm	≥ 480 N/50 mm	≥ 720 N/50 mm
Water vapour transmission, factor μ	EN 1931	19100 ± 4000	19100 ± 4000	19100 ± 4000
Square weight – informative value	EN 1849-2	0.76 - 1.14 kg.m <sup>-2</sup>	1.27 - 1.52 kg.m <sup>-2</sup>	1.90 kg.m <sup>-2</sup>
Straightness	EN 1848-2	≤ 50 mm	≤ 50 mm	≤ 50 mm
Visible defects	EN 1850-2	meets	meets	meets

**Safety instruction****Scrap disposal**

AQUAPLAST 805 is not classified as a dangerous substance in term of law of chemical substances.

**Scrap disposal**

AQUAPLAST 805 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**

- Production control system certificate no. 1390-CPD-0022/06/Z of waterproofing sheeting STAFOL 914, EKOPLAST 806, AQUAPLAST 805, FATRAFOL 803 according to Standard ČSN EN 13967:2005
- Certificate EN ISO 9001 and EN ISO 14001 no. PRA 0003830, emitted by LRQA

**Producer**

Fatra, j.c., T. Bati 1541, 763 61 Napajedla, Czech Republic

tel.: +420 577 50 1111 (2263)

e-mail: [fatrafol@fatra.cz](mailto:fatrafol@fatra.cz)

fax: +420 577 50 5555 (2253)

<http://www.fatra.cz>