

Pond liner AQUAPLAST 805/V-F

TL 5-1014-09

8

19.12.2011

Product description

AQUAPLAST 805/V-F is a non reinforced pond liner on base of plasticized polyvinylchloride (PVC-P), type T according to Standard EN 13967. AQUAPLAST 805/V-F is produced by extrusion of the selected secondary raw materials of PVC-P without other polymer materials.

Usage

AQUAPLAST 805/V-F is identified first of all for the production of the weldments being sized due to inlay them into the garden ponds, water reservoirs, irrigation tanks, etc.

Application

Handling, jointing and laying of the liner can be made under the temperature till up to 0 °C; the liner application is recommended to make under the temperature till up to +10 °C. liner can be mutual jointed by hot air welding or heat key.

Due to keeping a long-term functionality of waterproofing coat there is recommended to protect the liner 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 pond liners. Warranties do not relate to the functionality losses of waterproofing coat in case of unprofessional material instalment or liner mechanical damage caused by rough handling, aquatics or by outside fault.

Product data

AQUAPLAST 805/V-F fulfils the requirements of the Standard EN 13967 and EN 14909.

Dimensions:

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1848-2)	Length [m] (EN 1848-2)	Quantity [m ²]
0.50 ± 0.05	1520 ± 20	450 (-0; +22.5)	836
0.50 ± 0.05	1350 ± 20	520 (-0; +26)	742.5
1.00 ± 0.10	2000 (-10; +20)	25 (-0; +1.25)	1200
1.50 ± 0.15	2000 (-10; +20)	20 (-0; +1)	250

The further roll package volume can be agreed according to customer demand.

Colour: AQUAPLAST 805/V-F is produced in a colour of black. Colour shadow deviations are possible at individual batches.

Packing, transport, storage: AQUAPLAST 805/V-F is packed into the rolls, which are laid on the wood pallets and fixed by a packing film.
Weldments are turned and packed into the rolls, which are laid onto too wooden pallets and fixed with slings and a packing film.
AQUAPLAST 805/V-F 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		
		0.50 mm	1.00 mm	1.50 mm
Visible defects	EN 1850-2	meets	meets	meets
Straightness	EN 1848-2	≤ 50 mm	≤ 50 mm	≤ 50 mm
Tensile strength	EN 12311-2	≥ 250 N/50 mm	≥ 450 N/50 mm	≥ 700 N/50 mm
Elongation at break	method A	≥ 200 %	≥ 300 %	≥ 300 %
Foldability at low temperature	EN 495-5	-10 °C	-10 °C	-10 °C
Joint strength	EN 12317-2	≥ 200 N/50 mm	≥ 400 N/50 mm	≥ 580 N/50 mm
Tear resistance	EN 12310-1	≥ 75 N	≥ 150 N	≥ 220 N
Resistance to static load	EN 12730 method B	meets 20 kg	meets 20 kg	meets 20 kg
Water tightness to liquid water, 60 kPa	EN 1928 method B	meets	meets	meets
Resistance to impact	EN 12691 method A	≥ 400 mm	≥ 700 mm	≥ 1000 mm
	EN 12691 method B	≥ 1000 mm	≥ 1500 mm	≥ 2000 mm
Durability of watertightness againg artificial ageing,, 60 kPa	EN 1296 EN 1928	meets	meets	meets
Durability of watertightness againg chemicals, 60 kPa (Ca (OH) ₂ ; 10% NaCl)	EN 1847 EN 1928	meets	meets	meets
Water vapour properties - factor μ	EN 1931	31000 ± 6000	31000 ± 6000	31000 ± 6000
Reaction to fire	EN 13501-1	Class E	Class E	Class E
Mass per unit area - informative value	EN 1849-2	0.65 kg.m ⁻²	1.29 kg.m ⁻²	1.94 kg.m ⁻²
Resistance to roots	CEN/TS 14416	meets	meets	meets

Safety instruction

Scrap disposal

AQUAPLAST 805/V-F 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 liner joining.

Related documentation

- Manufacturing control system certificate No. 1390-CPD-0181/09/Z of AQUAPLAST 805/V-F according to Standard ČSN EN 13967:2005, emitted by CSI, a. s., Prague, workstation Zlín

Producer

Fatra, a.s., T. Bati 1541, 763 61 Napajedla, Czech Republic

tel.: +420 577 50 3323 (1111)

fax: +420 577 50 2253 (3001)

e-mail: studio@fatrafol.cz

<http://www.fatrafol.cz>