

Pond liner AQUAPLAST 805/V

TL 5-1011-07

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Product description

AQUAPLAST 805/V is a non reinforced sheet on base of plasticized polyvinylchloride (PVC-P), type T according to Standard EN 13967. Pond liner 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/V is identified for waterproofing of house small lakes and large water areas (garden lakes, bath basins, fire reservoirs, pond waterproofing, etc.). The separate pond liner bands are welded in various required dimension sizing.

AQUAPLAST 805/V is not suitable of performing the clamped pressure waterproofing sheeting.

AQUAPLAST 805/V totally hinders the seepage losses - it has an excellent elongation at brake and is flexible to underlay segmentation.

Under this pond liner is laid a FATRATTEX geotextile due to risk removing of pond liner braking-through.

Application

Handling, jointing and laying of the pond liner can be made under the temperature till up to 0 °C; the pond liner application is recommended to make under the temperature till up to +10 °C. Pond liner can be mutual jointed by hot air welding. pond liner 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 pond 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 pond liner mechanical damage caused by rough handling, aquatics or by outside fault.

Product data

AQUAPLAST 805/V meets the requirements of the Standard EN 13967.

Dimensions:

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1848-2)	Length [m] (EN 1848-2)	Quantity [m ²]
1.00 ± 0.10	2000 (-10, +20)	25 (-0; +1,25)	50
1.00 ± 0.10	2000 (-10, +20)	100 (-0; +5)	200
1.00 ± 0.10	2000 (-10, +20)	180 (-0; +9)	360
1.20 ± 0.10	2000 (-10, +20)	25 (-0; +1,25)	20
1.50 ± 0.15	2000 (-10, +20)	15 (-0; +0,75)	30
1.50 ± 0.15	2000 (-10, +20)	70 (-0; +3,5)	140
1.50 ± 0.15	2000 (-10, +20)	120 (-0; +6)	240

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

Colour: AQUAPLAST 805/V is produced in a colour of grey olive - RAL 6006, black - no. 6001, glaucous - no. 7060 and yellow olive - RAL 6014.

Packing, transport, storage: AQUAPLAST 805/V is packed into the rolls, which are laid on the wood pallets and fixed by a packing film. AQUAPLAST 805/V 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		
		1.00 mm	1.20 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	≥ 580 N/50 mm	≥ 660 N/50 mm	≥ 820 N/50 mm
Elongation at break	method A	≥ 300 %	≥ 300 %	≥ 300 %
Joint strength	EN 12317-2	≥ 460 N/50 mm	≥ 530 N/50 mm	≥ 650 N/50 mm
Tear resistance	EN 12310-1	≥ 160 N	≥ 190 N	≥ 240 N
Resistance to static load	EN 12730 method B	meets 20 kg	meets 20 kg	meets 20 kg
Water tightness to liquid state, 60 kPa	EN 1928 method B	meets	meets	meets
Impact resistance	EN 12691 method A	≥ 600 mm	≥ 600 mm	≥ 600 mm
	EN 12691 method B	≥ 1750 mm	≥ 1750 mm	≥ 1750 mm
Durability of watertightness ageing artificial ageing, 60 kPa	EN 1296 EN 1928	meets	meets	meets
Durability of watertightness ageing chemicals, 60 kPa (Ca(OH) ₂ ; 10% NaCl)	EN 1847 EN 1928	meets	meets	meets
Water vapour properties, factor μ	EN 1931	25000 ± 4000	25000 ± 4000	25000 ± 4000
Reaction to fire	EN 13501-1	Class E	Class E	Class E
Square weight - informative value	EN 1849-2	1.28 kg.m ⁻²	1.54 kg.m ⁻²	1.92 kg.m ⁻²

Safety instruction

Scrap disposal

AQUAPLAST 805/V 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 pond liner joining.

Related documentation

- Manufacturing control system certificate No. 1390-CPD-0034/07/Z of AQUAPLAST 805/V according to Standard ČSN EN 13967:2005 emitted by CSI, a. s., Prague, workstation Zlín

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