



Pond liner

AQUAPLAST 805/V

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Product description	<p>AQUAPLAST 805/V is a non reinforced membrane on base of plasticized polyvinylchloride (PVC-P), type T according to Standard EN 13967. 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.</p>
Usage	<p>AQUAPLAST 805/V is identified for waterproofing of house small lakes and large water areas. The separate liner bands are welded in various required dimension sizing.</p> <p>AQUAPLAST 805/V is not suitable of performing the clamped pressure waterproofing sheeting.</p> <p>AQUAPLAST 805/V totally hinders the seepage losses - it has an excellent elongation at break and is flexible to underlay segmentation.</p>
Application	<p>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. Liner overlap at jointing must be at least 50 mm in all cases.</p> <p>Under this liner is laid a FATRATEX geotextile due to risk removing of liner braking-through.</p> <p>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.).</p>
Warranties	<p>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 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</p>

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]
1.20 (± 0,10)	2000 (-10; +20)	150 (-0; +7.5)	300
		20 (-0; +1)	40
1.50 (± 0,15)		20 (-0; +1)	40
*) The membrane can be provided also in another lengths after agreement with customer.			

Colour:

AQUAPLAST 805/V are produced in a colour of blue RAL 5015 and in a grey RAL 7047 (other colours can be agreed according to customer demand).

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	Value	
		1.20 mm	1.50 mm
Visible defects	EN 1850-2	meets	meets
Straightness	EN 1848-2	≤ 50 mm	≤ 50 mm
Maximum tensile force	EN 12311-2 method A	≥ 720 N/50 mm	≥ 820 N/50 mm
Elongation at maximum tensile force		≥ 300 %	≥ 300 %
Joint strength	EN 12317-2	≥ 550 N/50 mm	≥ 650 N/50 mm
Tear resistance	EN 12310-1	≥ 200 N	≥ 240 N
Resistance to static load	EN 12730 method B	meets 20 kg	meets 20 kg
Water tightness to liquid state, 400 kPa	EN 1928 method B	meets	meets
Impact resistance	EN 12691 method A	≥ 600 mm	≥ 600 mm
	EN 12691 method B	≥ 1750 mm	≥ 1750 mm
Durability of watertightness against artificial ageing	EN 1296 EN 1928	meets	meets
Durability of watertightness against chemicals (Ca(OH) ₂ ; 10% NaCl)	EN 1847 EN 1928	meets	meets
Water vapour properties - factor μ	EN 1931	25000 ± 4000	25000 ± 4000
Reaction to fire	EN 13501-1	Class E	Class E

Safety instruction**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-0034/07/Z of AQUAPLAST 805/V according to Standard ČSN EN 13967:2005 emitted by CSI, a. s., Prague, workstation Zlín
- Atest No. 472107146/1 of AQUAPLAST 805/V-W, grey colour (the direct long time contact with drinking water), emitted by ITC, a. s., Zlín

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