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Pond liner AQUAPLAST 805

PRODUCT DESCRIPTION

AQUAPLAST 805 is a non-reinforced membrane made on the basis of plasticised polyvinyl chloride (PVC-P). The membrane is stabilised against UV radiation and has very good chemical resistance to all waters occurring in nature without difference of volume of minerals and natural substances dissolved in it.

TECHNICAL PARAMETERS

Parameter	Standard	Value for assigned thickness			
		1.00 mm	1.20 mm	1.50 mm	2.0 mm
Watertightness, 400 kPa	EN 1928 method B	pass			
Resistance to static load	EN 12730 method B	≥ 20 kg			
Tensile strength	EN 12311-2 method B	15 N/mm^2			
Elongation at break		$\geq 220 \%$	$\geq 220 \%$	$\geq 230 \%$	$\geq 250 \%$
Durability of watertightness against artificial ageing, 60 kPa	EN 1296 EN 1928	pass			
Durability of watertightness against chemicals, 60 kPa (Ca (OH) ₂ , 10% NaCl)	EN 1847 EN 1928	pass			
Resistance to impact	EN 12691 method A	≥ 600 mm			
	EN 12691 method B	≥ 1750 mm			
Tear resistance	EN 12310-1	≥ 160 N	≥ 200 N	≥ 240 N	≥ 280 N
Joint strength	EN 12317-2	≥ 460 N/50 mm	≥ 550 N/50 mm	≥ 650 N/50 mm	≥ 860 N/50 mm
Water vapour transmission - factor μ	EN 1931	$25000 \pm 30 \%$			
Mass per unit area ^{*)}	EN 1849-2	1.27 kg/m^2	1.52 kg/m^2	1.90 kg/m^2	2.54 kg/m^2
Straightness	EN 1848-2	≤ 50 mm			
Visible defects	EN 1850-2	pass			
Resistance to root penetration	CEN/TS 14416	pass			

^{*)} *informative value*

APPROVALS / CERTIFICATES

- Declaration of performance and CE marking according to harmonised EN 13967
- Environmental product declaration (EPD) according to ISO 14025

DIMENSIONS

Thickness [mm] (EN 1849-2)	Width [mm] (EN 1848-2)	Length [m] (EN 1848-2)	Quantity on the roll [m ² ^{*)}
1.00	1300	30	39
	2000	30	60
1.20	2000	20	40
1.50	1300	20	26
	2000	20	40
2.00	1200	15	18
	2000	15	30

The membrane can be produced in other dimensions upon agreement.

Thickness tolerance: ± 10 %, width tolerance: -0.5 % / $+1$ %, length tolerance: -0 % / $+5$ %

**)
informative value*

COLOUR AND APPEARANCE

The colour of the top layer: khaki ~ RAL 6006, black ~ RAL 9011, olive ~ RAL 6014, green ~ RAL 6000. The bottom layer is black.

The colour shade of various production batches of the membranes may differ. Minor colour differences are not considered justified grounds for a claim.

AQUAPLAST 805 has a smooth matt surface.

USAGE

AQUAPLAST 805 is designed for **waterproofing** of domestic ponds and large water bodies.

APPLICATION

AQUAPLAST 805 is applied in compliance with the principles determined and described in the Construction and Technological Instruction FATRAFOL-A (PN 5422/2017), as amended at the time of the membrane's application, which is available at www.fatrafol.cz.

STORAGE

Store at temperatures between -5 °C and $+30$ °C. On the site, it is necessary to protect the membrane against pollution. It is recommended to protect the membrane against weather effects until it is applied.

MORE INFORMATION

For more information, please see the manufacturer's website www.fatrafol.cz.

LEGAL CLAUSE

The technical data contained herein is based on our current knowledge and experience and relate to the use of the products under normal conditions for application. The information that is included in the current Technical Data Sheet is determined by the method of use and is incomplete. Before using this product, the user is obliged to check whether the product is suitable for the intended use. In addition to that, all users should contact the dealer or manufacturer of this product to obtain additional technical information regarding its use in case they are of the opinion that the information available to them requires some explanation, for both the standard and specific use of this product. Please always make sure that you have the latest version of the product's Technical Data Sheet at your disposal. This Data Sheet and additional information can be obtained from the sales or technical representative of the manufacturer or on the manufacturer's website.

PRODUCER

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