



Waterproofing membrane AQUAPLAST 825/V-PES

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Product description	AQUAPLAST 825/V-PES is a membrane on base of plasticized polyvinylchloride (PVC-P) reinforced with a polyester grid. The upper layer (smooth side without design) of liner is stabilized to UV radiation.
Usage	<p>AQUAPLAST 825/V-PES is identified for facing waterproofing of reservoirs, tanks and other constructions coming into the direct contact with drinking water, whose construction have to take into account the properties of the liner, especially elongation.</p> <p>AQUAPLAST 825/V-PES is not intended for use in swimming pools.</p>
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. Liner overlap at jointing must be at least 50 mm in all cases.
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 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 or by outside fault.

Product data

AQUAPLAST 825/V-PES 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 (-0.06; +0.12)	2000 (-10; +20)	25 (-0; +1)	50
		20 (-0; +1)	40
1.50 (-0.07; +0.15)	2000 (-10; +20)	20 (-0; +1)	40

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

Colour:

AQUAPLAST 825/V-PES is produced in a colour of grey RAL 7047 and blue RAL 5015.

Packing, transport, storage:

AQUAPLAST 825/V-PES is packed into the rolls, which are laid on the wood pallets and fixed by a packing film. AQUAPLAST 825/V-PES 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	MD	EN 12311-2 method A	≥ 1000 N/50 mm	≥ 1000 N/50 mm
	CD		≥ 1000 N/50 mm	≥ 1100 N/50 mm
Elongation at maximum tensile force	MD		≥ 15 %	≥ 15 %
	CD		≥ 20 %	≥ 20 %
Joint strength		EN 12317-2	≥ 1000 N/50 mm	≥ 1000 N/50 mm
Tear resistance	MD	EN 12310-1	≥ 300 N	≥ 300 N
	CD		≥ 300 N	≥ 300 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		≥ 1000 mm	≥ 1250 mm
	EN 12691 method B		≥ 2000 mm	≥ 2000 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	15000 ± 30 %	15000 ± 30 %
Reaction to fire		EN 13501-1	Class F	Class F
Mass per unit area - informative value		EN 1849-2	1.55 kg/ m ²	1.94 kg/ m ²

MD - Machine Direction, CD - Cross Direction

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. When is it jointed by hot air welding in enclosed areas there must be adequate ventilation (extraction) resulting from combustion gases.
Related documentation	<ul style="list-style-type: none">● Certificate of conformity of the factory production control according to EN 13967:2012 ed.2, emitted by CSI, a. s., Prague, workstation Zlín● Attest for the direct long time contact with drinking water, emitted by ITC, a. s., Zlín
Legal Clause	The technical data contained herein are based on our current knowledge and experience and relate to the use of products under normal application conditions. The information that is included in the current technical data sheet is provided according to a method of use and is incomplete. Before using this product, the user has to check whether the product is suitable for intended use. In addition to that, all the users should contact the dealer or manufacturer of this product to obtain further technical information regarding its use if they are of the opinion that the information available to them requires any explanation, for both the normal and specific use of this product. Please always check that you have the latest version of the product technical data sheet at your disposal. This data sheet and further information can be obtained from the sales or technical representative of the manufacturer or at the website www.fatrafol.cz .
Producer:	Fatra, a.s., třída Tomáše Bati 1541, 763 61 Napajedla, Czech Republic tel.: +420 577 50 3323 (1111) e-mail: studio@fatrafol.cz http://www.fatrafol.cz
