



Oase AlfaFol 0,5 mm
Sheet waterproofing liner based on polyvinylchloride (PVC-P)

Product Description:	AlfaFol 0,5 mm black is a homogeneous sheet waterproofing liner, based on polyvinylchloride (PVC-P).
Application:	Lining of irrigation ponds, leisure ponds and biotopes for non-potable water
Characteristics:	• Resistant to ageing • Optimized tensile strength and elongation • UV- stable • Resistant to root penetration and microbial attack • Resistant to permanent water temperature of max. +30°C • Without DEPH (DOP) plasticiser • Heat and cold (solvent) weldable • Can be installed on wet substrates • Not bitumen resistant
Approval/ Standards:	Product Declaration EN 13361 Certification body 1349-CPD

Product data

Appearance/colour:	Rolled sheet membrane, homogeneous Surface: top: structured, reverse: smooth Membrane thickness: 0,45 mm Colour: black
Packaging:	Roll size: 2,00 m x 960,0 m Unit weight: 0,59 kg/m ²
Storage conditions:	Rolls must be stored in horizontal position. They must be protected from direct sunlight, rain, snow and ice. The product does not expire during correct storage. Do not stack pallets of rolls during transport or storage.

Technical Data

Basic material:	PVC-P-NB	
Thickness:	0,45 (-5/ +10%) mm	EN 1849-2
Water permeability:	< 10 ⁻⁷ m ³ x m ⁻² x d ⁻¹	EN 14150

Physical Characteristics

Tensile strength, length-wise and cross:	17 (±2) N / mm ²	ISO 527-1/3/5
Tear strength lengthwise and cross:	≥ 40 kN/m	ISO 34 Methode B; V = 50mm/min
Elongation, lengthwise and cross:	≥300%	ISO 527-1/3/5

Burst strength:	≥ 40%	EN 14151 D=1.0 m
Static puncture:	1,00 (± 0,10) kN	EN ISO 12236
Low temperature behaviour:	≤ -20°C	EN-495-5
Weathering:	Remaining tensile strength and elongation ≥75%	EN 12224, 350 MJ/m²; ISO 527-3/5/100
Resistance to root Penetration:	Pass	EN 14416
System Information		
System:	Accessories: OASE Pond Fleece 200g per m², 400 g/m², 500 g/m² OASE PVC-adhesive	
Application Details		
Substrate quality:	Suitable substrates: Concrete, mortar, galvanized steel, aluminium, compacted soil (sand, clay) Non suitable substrates: Impregnated woods, other plastics, than plasticised PVC A separation layer in form of geotextile (non-woven fabric) with min. density of 300g/m² must be laid underneath the membrane.	
Application Conditions		
Substrate Temperature:	0°C min./+ 35°C max.	
Ambient Air Temperature:	+ 5°C min./+ 35°C max.	
Ambient max. Temperature of Liquids:	+30°C (water)	
Laying notes		
Application Method/ Tools	This product is suitable for factory welding only (i.e. heat welding with wedge, high frequency, cold welding with solvent) to provide the waterproofing of prefabricated pondliner components.	
Notes on Application/ Limits	This product is not suitable for direct normal installation works on sites. The membrane colour might change under permanent influence of UV-light within and above area of permanent water surface level, it not properly covered with soil material.	

Important Information

Local Restrictions	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.
Value base:	All technical data are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
Legal note:	The information, and, in particular, the recommendations relating to the application and end-use of our products, are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with our recommendations. All orders are accepted subject to our current terms of sale and delivery. Valid is the current status of our product data sheet which can be downloaded from www.oase.com in its latest version.