

TECHNICAL DATA SHEET

RENOLIT ALKORPLAN XTREME – Type 35516

Application:

Reinforced, lacquered membrane for the waterproofing of swimming pools. Protected against staining and abrasion. It can be used in swimming pools or ponds containing fish or other aquatic species.

TECHNICAL DATA SHEET according to the European standard EN 15836, Plastics — Plasticized poly vinyl chloride (PVC-P) membranes for in ground swimming pools — Part 2: Reinforced membranes of nominal thickness equal to or greater than 1,5 mm

Characteristic	Value	Test Method
Composition specifications		
Mass per unit area	1,8 ± 0,1 kg/m ²	EN 1849-2
Reinforcement	3 x 3 PET 110 Tex	
Water absorption	≤ 1 % masse	EN ISO 62 Method 1
CaCO ₃ content	≤ 3 % masse	Atomic absorption spectrometry
Dimensional specifications		
Mean thickness	1,5 mm ± 5%	EN 1849-2
Mechanical specifications		
Tensile strength	≥ 1,1 KN/50 mm	EN 12311-2 A
Elongation at break	18 ± 3 %	EN 12311-2 A
Tear resistance	≥ 180 N	EN 12310-2
Dimensional stability	≤ 0,5 %	EN 1107-2
Resistance to foldability at low temperature	≤ -25 °C	EN 495-5
Peel resistance of joints	≥ 80 N/50mm	EN 12316-2
Watertightness	< 1 x 10 ⁻³ l/m ² .day according EN 16582-1	EN 14150
Durability specifications		
Resistance to an artificial ageing of 19 GJ/m ² (6000 h)	≥ 4 according EN 20105-A02	EN ISO 4892-2:2006 Method A cycle n°1
Resistance to action of microorganisms	Mass Loss ≤ 1 %	EN ISO 846:1997 / D
Resistance to streptovorticium reticulum bacteria ATCC 25607	No Stains	EN ISO 846:1997 / C
Chlorine resistance	Rating ≥ 4	EN 15836 Annex C
Resistance to staining agents	Rating ≥ 4	EN 15836 Annex D

The composition of the membrane conforms to European legislation (CMR content cat. 1 and 2 less than 0.1% - Sum of Pb, Cd, Hg, Cr (IV) and As less than 100 mg/kg).

Storage Conditions:

The rolls must be stored horizontally in their original packaging in a dry room at a moderate ambient temperature (15 – 25 °C).

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