

TECHNICAL DATA SHEET

RENOLIT ALKORPLAN2000 – Type 35216

Application:

Reinforced and lacquered membrane for the waterproofing of swimming pools. Protected against staining and abrasion.

TECHNICAL DATA SHEET according to the European standard DIN 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	DIN EN 1849-2
Reinforcement	3 x 3 PET 110 Tex	
Water absorption	≤ 1 % masse	DIN EN ISO 62 Method 1
CaCO ₃ content	≤ 3 % masse	Atomic absorption spectrometry
Dimensional specifications		
Mean thickness	1,5 mm ± 5%	DIN EN 1849-2
Mechanical specifications		
Tensile strength	≥ 1,1 KN/50 mm	DIN EN 12311-2 A
Elongation at break	18 ± 3 %	DIN EN 12311-2 A
Tear resistance	≥ 180 N	DIN EN 12310-2
Dimensional stability	≤ 0,5 %	DIN EN 1107-2
Resistance to foldability at low temperature	≤ -25 °C	DIN EN 495-5
Peel resistance of joints	≥ 80 N/50mm	DIN EN 12316-2
Watertightness	< 1 x 10 ⁻⁶ l/m ² ·day according EN 16582-1	DIN EN 14150
Durability specifications		
Resistance to an artificial ageing of 19 GJ/m ² (6000 h)	≥ 4 according EN 20105-A02	DIN EN ISO 4892-2:2006 Method A cycle n ^o 1
Resistance to action of microorganisms	Mass Loss ≤ 1 %	DIN EN ISO 846:1997 / D
Resistance to streptovorticium reticulum bacteria ATCC 25607	No Stains	DIN EN ISO 846:1997 / C
Chlorine resistance	Rating ≥ 3	DIN EN 15836 Annex C
Resistance to staining agents	Rating ≥ 4	DIN 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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