

# TECHNICAL DATA SHEET

## RENOLIT ALKORPLAN XTREME Non-Slip – Type 81516

### Application:

Reinforced, lacquered and Non-Slip 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
<b>Composition specifications</b>		
Mass per unit area	2,4 ± 0,3 kg/m <sup>2</sup>	EN 1849-2
Reinforcement	3 x 3 PET 110 Tex	
Water absorption	≤ 1 % masse	EN ISO 62 Method 1
CaCO <sub>3</sub> content	≤ 3 % masse	Atomic absorption spectrometry
<b>Dimensional specifications</b>		
Mean thickness	1,8 mm ± 10%	EN 1849-2
<b>Mechanical specifications</b>		
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	≤ -20 °C	EN 495-5
Peel resistance of joints	≥ 80 N/50mm	EN 12316-2
Watertightness	< 1 x 10 <sup>-3</sup> l/m <sup>2</sup> .day according EN 16582-1	EN 14150
Slip resistance	α <sub>barefoot pedestrian</sub> > 24° (C Class)	CEN/TS 16165:2016
	α <sub>barefoot pedestrian</sub> > 24° (C Class)	DIN 51097:1992 // EN 13451-1
<b>Durability specifications</b>		
Resistance to an artificial ageing of 19 GJ/m <sup>2</sup> (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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