

# Technical Data Sheet

## RENOLIT ALKORPLAN 3000



### RENOLIT ALKORPLAN 3000 - type 35417:

**Reinforced, printed membrane with increased protection against staining and abrasion.**

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

Table 1 – Characteristics of the membrane

Characteristic	Value	Test method
Mass per unit area	1.8 ± 0,1 kg/m <sup>2</sup>	EN 1849-2
Reinforcement	3 x 3 PET 110Tex	
Water absorption	≤ 1 % of mass	EN ISO 62 Method 1
Ca CO <sub>3</sub> content	≤ 3 % of mass	Atomic absorption spectrometry

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).

Tableau 2 – Dimensional characteristics

Characteristic	Value	Test method
Mean thickness	1.5 mm ± 5 %	EN 1849-2

Table 3 – Mechanical characteristics

Characteristic	Value	Test method
Tensile strength	≥ 1,1 kN/50mm	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

Table 4 – Characteristics for durability

Characteristic	Value	Test method
Abrasion resistance	≥ 500 cycles	EN ISO 5470-1
Resistance to an artificial ageing of 19 GJ/m <sup>2</sup> (6000 h)	≥ 3 according EN 20105-A02	NF EN ISO 4892-2:2006 Méthode 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 ≥ 3	EN 15836 Annex C
Resistance to staining agents	Rating ≥ 4	EN 15836 Annex D

Storage conditions : the rolls must be stored horizontally in their original packaging in a dry room at a moderate ambient temperature.

Date : 27 oct. 2010