

TECHNICAL DATA SHEET

RENOLIT ALKORPLAN Unicolour Non-Slip - Type 8116501 /505 /507 /502 /503 /506

Application:

Reinforced and Non-Slip membrane for the waterproofing of swimming pools.

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 | 2,21 ± 0,2 kg/m ² | EN 1849-2 |
| Reinforcement | 3 x 3 PET 110 Tex | |
| Water absorption | ≤ 1 % of mass | EN ISO 62 Method 1 |
| CaCO ₃ content | ≤ 3 % of mass | Atomic absorption spectrometry |
| Dimensional specifications | | |
| Mean thickness | 1,8 mm ± 10% | 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 | ≥ 150 N | EN 12310-2 |
| Dimensional stability | ≤ 1 % | 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 ⁻³ l/m ² ·day according EN 16582-1 | EN 14150 |
| Slip resistance | 18° ≤ α _{barefoot pedestrian} ≤ 24° (B Class) | CEN/TS 16165:2016 |
| | α _{barefoot pedestrian} > 24° (C Class) | DIN 51097:1992 // EN 13451-1 |
| Durability specifications | | |
| Resistance to an artificial ageing of 19 GJ/m ² (6000 h) | ≥ 3 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 ≥ 3 | EN 15836 Annex C |
| Resistance to staining agents | Rating ≥ 2 | 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).