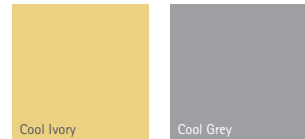


RENOLIT ALKORSMART

Cool colour single ply roofing system



Product information

RENOLIT ALKORPLAN F - ALKORSKART
Laminated membrane of flexible PVC with woven polyester reinforcing, with special reflecting and absorbing pigments added (Solar Shield Technology) to achieve the cool colour function.

Available in the colours cool ivory and cool grey. Life expectancy assessed by the British Board of Agrément (BBA) up to 40 years.

Application

Used as waterproofing membrane within mechanically restrained systems.

CE approval
0749-CPD / BC2-320-0295-0100-02
Certificates available on our website www.renolit.com/roofing.

PRODUCT DATA

| | Method | Production values RENOLIT ALKORPLAN F ALKORSKART | | Units |
|--|----------------|---|---------|---------|
| | | 1.2 mm | 1.5 mm | |
| Tensile strength | EN 12311-2 (A) | ≥1050 | ≥1100 | N/50 mm |
| Elongation at break | EN 12311-2 (A) | ≥15 | ≥16 | % |
| Dimensional stability (6h at 80 °C) | EN 1107-2 | ≤0.3 | ≤0.3 | % |
| Cold crack temperature | EN 495-5 | ≤-25 | ≤-25 | °C |
| Cold crack temperature after ageing of 7.500 hours | ISO EN 495-5 | -15 | - 15 | °C |
| Tear strength | EN 12310-1 | ≥350 | ≥400 | N |
| Lamination strength | EN 12316-2 | ≥200 | ≥225 | N/50 mm |
| Water vapour diffusion resistance (μ) | EN 1931 | 20 000* | 20 000* | - |
| Resistance to static perforation | EN 12730 | ≥20 | ≥20 | Kg |

* ±30% according to EN 13956 (MDV)

| | | Cool Grey | Cool Ivory | Units |
|---|--------------------------|-----------|----------------|-------|
| Solar reflectance | ASTM E903/ASTM C 1549 | 0.54 | 0.68 | - |
| SRI Solar Reflectance Index | ASTM E903/ASTM C 1549 | 52.8 | 82.5 | - |
| Surface temperature | STM E903/ASTM C 1549 | 59 | 51 | °C |
| Initial surface temperature after ageing | ASTM E903/ASTM C 1549 | 64 | 59 | °C |
| Accelerating weathering test after 5.000 hours of UV-A ageing | ASTM D 4434 - ASTM G 154 | - | cracking: none | - |
| Accelerating weathering test after 5.000 hours of UV-A ageing | ASTM D 4434 - ASTM G 154 | - | crazing: none | - |
| Weight loss after ageing on exposure to UV during 2.500 hours | EN ISO 4892-2/A | < 3 | < 3 | % |

PACKAGING

| | Colour | Thickness | Width | Weight | Roll length | Roll weight |
|--------------------------------------|---|-----------|--------|------------------------|-------------|-------------|
| RENOLIT ALKORPLAN F ₃₅₂₇₆ | Cool grey (77040) Cool ivory (11014) | 1.2 mm | 2.10 m | 1.53 kg/m ² | 20 lm | ca. 63 kg |
| RENOLIT ALKORPLAN F ₃₅₂₇₆ | Cool grey (77040) Cool ivory (11014) | 1.5 mm | 2.10 m | 1.85 kg/m ² | 15 lm | ca. 58 kg |

Storage

Store dry. Rolls to be parallel and in original packing where possible, do not stack in cross form or under pressure.

Standard conditions of sale are included in price lists, all sales of **RENOLIT** products are made under these conditions. **RENOLIT ALKORPLAN** is delivered in rolls. Every delivery may contain up to 10% of short rolls (minimum length: 8 m)

WWW.RENOLIT.COM/ROOFING



Rely on it.