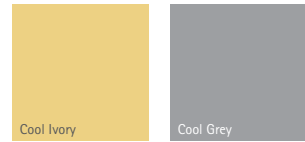


RENOLIT ALKORPLAN F Smart

Cool colour single ply roofing system



Product information

RENOLIT ALKORPLAN F Smart

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.

Application

Used as waterproofing membrane within mechanically restrained systems.

Certificates

Product certification EN 13956

0749-CPR / BC2-320-01452-0001-01

Certificates available on our website www.renolit.com/roofing.

PRODUCT DATA

	Method	Production values	Units
		RENOLIT ALKORPLAN F Smart	
		1.2 mm	
Tensile strength	EN 12311-2 (A)	≥1050	N/50 mm
Elongation	EN 12311-2 (A)	≥15	%
Dimensional stability (6h at 80 °C)	EN 1107-2	≤0.3	%
Cold crack temperature	EN 495-5	≤-30	°C
Nail tear resistance	EN 12310-1	≥350	N
Tear resistance	EN 12310-2	≥200	N
Lamination strength	EN 12316-2	BOJ or ≥ 200	N/50 mm
Water vapour diffusion resistance (μ)	EN 1931	20 000	-
Resistance to static perforation	EN 12730	≥20	Kg
External fire	EN 13501-5	B _{roof} (t2)	-
Reaction to fire	EN 13501-1	E	-

		Cool Grey	Cool Ivory	Units
Solar reflectance	ASTM C 1549	0.54	0.68	-
SRI Solar Reflectance Index	ASTM E 1980	62.2	82.5	-
Surface temperature	ASTM E 1980	58.7	51.3	°C
Surface temperature after ageing	ASTM E 1980	64.1	59.0	°C
Accelerating weathering test after 5.000 hours of UV-A ageing	ASTM D 4434 ASTM G 154	-	no cracking, craving	-
Cold crack temperature after 10.000 hours of UV-Xenon ageing	EN ISO 4892- 2 EN 495-5	≤-15	≤-15	°C

PACKAGING

	Colour	Thickness	Width	Weight	Roll length	Roll weight
RENOLIT ALKORPLAN F ₃₅₀₇₆	Cool grey (77040) Cool ivory (11014)	1.2 mm	1.60 m	1.53 kg/m ²	20 lm	ca. 51 kg

Storage

The rolls should be stored horizontally and parallel to each other. Store in the original packaging, in a dry and frost-free area, protected from direct sunlight. The maximum stack height in the original pallet packaging is 2 high with a protection between the pallets and 4 high in the original open crate packaging.

The RENOLIT ALKORPLAN roofing membranes are supplied in rolls on cardboard cores. Every delivery may contain up to 10% of short rolls (minimum length: 8 m).