

RENOLIT ALKORPLAN F Smart

Cool colour single ply roofing system



Product information

RENOLIT ALKORPLAN F Smart
Synthetic roofing membrane of flexible PVC with a woven polyester reinforcement, 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.

Certificates

Product certification EN 13956
0749-CPR-BC2-320-01452-0001-01

Certificates available on our website
www.renolit.alkorplan.com

Application

Used as waterproofing membrane within mechanically restrained systems.

PRODUCT DATA				
	Method	Production values RENOLIT ALKORPLAN F Smart		Units
		1.2 mm	1.5 mm	
Mass per unit area	EN 1849-2	1,5	1,85	kg/m ²
Tensile strength	EN 12311-2 (A)	≥1050	≥1100	N/50 mm
Elongation	EN 12311-2 (A)	≥15	≥16	%
Dimensional stability (6h at 80 °C)	EN 1107-2	≤ 0.3		%
Cold crack temperature	EN 495-5	≤-25		°C
Nail tear resistance	EN 12310-1	≥350	≥400	N
Tear resistance	EN 12310-2	≥200	≥225	N
Lamination strength	EN 12316-2	BOJ or ≥ 200	BOJ or ≥ 225	N/50 mm
Water vapour diffusion resistance (μ)	EN 1931	20 000		-
Resistance to static perforation	EN 12730	≥20		kg
External fire performance (EN 13501-5)	CEN/TS 1187	B _{roof} (t1) as part of a roof system*		-
Reaction to fire (EN 13501-1)	ISO 11925-2	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

* Contact **RENOLIT ALKORPLAN** for certification.

PACKAGING					
	Colour	Thickness	Width	Roll length	Roll weight
RENOLIT ALKORPLAN F ₃₅₂₇₆	Cool grey (77040) Cool ivory (11014)	1.2 mm	2.10 m	20 lm	ca. 67 kg
RENOLIT ALKORPLAN F ₃₅₂₇₆	Cool grey (77040) Cool ivory (11014)	1.5 mm	2.10 m	15 lm	ca. 62 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 3 pallets with a protection between the pallets and 5 crates 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).

This document replaces and supersedes all prior versions.

WWW.RENOLIT.ALKORPLAN.COM

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