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RENOLIT ALKORTOP F₃₅₀₈₆
Product data sheet

EXCELLENCE
IN ROOFING

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Product data sheet

RENOLIT ALKORTOP F is a single ply polyester reinforced membrane of thermoplastic polyolefin (FPO), a non-plasticised roof covering which provides excellent watertightness in all conditions.

Application

Used as waterproofing membrane within mechanically fastened or ballasted systems.

CE approval: 0800 - CPD - 51654

Properties	Method	RENOLIT ALKORTOP ₃₅₀₈₆				Units
		1,2 mm	1,5 mm	1,8 mm	2,0 mm	
Visible defects	EN 1850-2	pass				-
Length	EN 1848-2	20 (-0/+5 %)	20 (-0/+5 %)	15 (-0/+5 %)	15 (-0/+5 %)	m
Width	EN 1848-2	1,5 (-0,5/+1 %)	1,5 (-0,5/+1 %)	1,5 (-0,5/+1 %)	1,5 (-0,5/+1 %)	m
Straightness	EN 1848-2	< 50	< 50	< 50	< 50	mm / 20 m
Flatness	EN 1848-2	< 10	< 10	< 10	< 10	mm / 20 m
Mass per unit area	EN 1849-2	1,5 (-5/+10 %)	1,85 (-5/+10 %)	2,2 (-5/+10 %)	2,3 (-5/+10 %)	kg/m ²
Effective thickness	EN 1849-2	1,2 (-5/+10 %)	1,5 (-5/+10 %)	1,8 (-5/+10 %)	2,0 (-5/+10 %)	mm
Watertightness	EN 1928 (B)	pass				-
External fire resistance	EN 13501-5	B _{ROOF} (t1) for specified roof structures				-
Fire performance	EN 13501-1	E Class				-
Peel resistance of joints	EN 12316-2	≥ 300	≥ 300	≥ 300	≥ 300	N / 50 mm
Shear resistance of joints	EN 12317-2	≥ 500, break outside joint				N / 50 mm
Tensile strength	EN 12311-2 (A)	≥ 1200	≥ 1200	≥ 1200	≥ 1200	%
Elongation at break	EN 12311-2 (A)	≥ 19	≥ 19	≥ 19	≥ 19	
Resistance to impact	EN 12691					
	Hard substrate Method A	≥ 550	≥ 700	≥ 900	≥ 900	mm
	Soft substrate Method B	≥ 800	≥ 950	≥ 1300	≥ 1300	mm
Resistance to static perforation	EN 12730 A/B					
	Hard substrate Method A	≥ 20	≥ 20	≥ 20	≥ 20	kg
	Soft substrate Method B	≥ 20	≥ 20	≥ 20	≥ 20	kg
Tear resistance	EN 12310-2	≥ 320	≥ 320	≥ 320	≥ 320	N
Root resistance	EN 13948	pass				-
Dimensional stability	EN 1107-2	≤ 0,3	≤ 0,3	≤ 0,3	≤ 0,3	%
Cold crack performance	EN 495-5	≤ - 30	≤ - 30	≤ - 30	≤ - 30	°C
UV resistance	EN 1297	pass				
Effect of liquid chemicals, incl. water	EN 1847	See annex C				
Hail resistance	EN 13583					
	Hard substrate Method A	≥ 17	≥ 20	≥ 23	≥ 26	m/s
	Soft substrate Method B	≥ 25	≥ 28	≥ 35	≥ 34	m/s
Vapour diffusion resistance μ	EN 1931	200 000 (-30/+30 %)	200 000 (-30/+30 %)	200 000 (-30/+30 %)	200 000 (-30/+30 %)	
Resistance against ozone	EN 1844	pass				
Exposure to bitumen	EN 1548 (B)	pass				

Storage

Store dry. Rolls to be parallel and in original packing where possible. Do not stack in cross form or under pressure (16 Rolls/Pallet).



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