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RENOLIT ALKORTOP F<sub>35086</sub>  
Product data sheet

EXCELLENCE  
IN ROOFING

# RENOLIT ALKORTOP F<sub>35086</sub>

## 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 <sub>35086</sub>				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 <sup>2</sup>
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 <sub>ROOF</sub> (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					
	Method A	≥ 550	≥ 700	≥ 900	≥ 900	mm
Soft substrate	Method B	≥ 800	≥ 950	≥ 1300	≥ 1300	mm
Resistance to static perforation	EN 12730 A/B					
	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					
	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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