

Technical Data Sheet

ALPAL 3000 S

Description	<p>ALPAL 3000 S is a stabilised polyester reinforced polymer modified (ALPA FC) bitumen waterproofing membrane. Its surface is finished with coloured mineral slate chippings. Minimum selvedge width is 8 cm. ALPAL 3000 single layer roof overlay system, in relation to its external fire performance is classified BROOF(t4) in accordance with Table 1 of BS EN 13501-5: 2005 + A1: 2009.</p> <p>ALPAL 3000 achieves the designation of EXT.F.AA when tested in accordance with BS 476: Part 3: 2004 Incorporating Amendment 1: 2006 and Amendment 2: 2007.</p>
Use	Single layer roof overlay system - self protected waterproofing cap sheet on inaccessible roofs.
Application method	Fully or partially bonded, with fully sealed joints, using torch-on technique to form continuous layer.
Storage	Rolls to be stored upright and away from heat.
Composition	(indicative)

Reinforcement (g/m²) :	Stabilised polyester	180
Binder (g/m²) :	Alpa FC	2800
Surface finish (g/m²) :	Slate chippings	1000
	Mineral granules	1200
Under surface finish (g/m²) :	Thermofusible film	10

Characteristics		Standards (BS)	Units	Value	Tolerance		
					Min	Max	
Dimensions	Length	EN 1848-1	m	8	-1%		
	Width		m	1	-1%		
	Straightness		-	Pass			
	Roll weight		kg	33.6			
	Thickness (selvedge)	EN 1849-1	mm	3.20			
Visible defects	New product	EN 1850-1	-	None			
	After ageing to EN 1297		-	NA			
Adhesion of granules		EN 12039	%	15	0	30	
Resistance to tearing (nail shank)	Longitudinal	EN 12310-1	N	200	180	300	
	Cross direction			250	230	360	
Tensile properties: maximum tensile strength	Longitudinal	EN 12311-1	N/50 mm	600	500	900	
	Cross direction			600	500	750	
Tensile properties: elongation	Longitudinal	EN 12311-1	%	35	25	60	
	Cross direction			35	25	60	
Peel resistance of joint	Maximum strength	EN 12316-1	N/50mm	Selvedge	150	100	200
				End joint	150	100	200
	Average strength			Selvedge	120	70	170
				End joint	120	70	170
Shear resistance of joint	Maximum force	EN 12317-1	N/50mm	Selvedge	600	500	750
				End joint	600	500	900
Flexibility at low temperature	Surface	EN 1109	°C	-14	≤		
	Under surface			-14	≤		
Flow resistance at elevated temperature	New product	EN 1110	°C	120	≥		
	After ageing to EN 1296			120	110	130	
Resistance to impact		EN 12691	mm	1250	≤		
Resistance to static loading		EN 12730 (A)	kg	20	≥		
Dimensional stability		EN 1107-1	%	0.3	≤		

Characteristics		Standards (BS)	Units	Value	Tolerance	
					Min	Max
Form stability under cyclic temperature change		EN 1108	%	NA		
Water vapour transmission properties	New product	EN 1931	-	$\mu=20000$		
	After ageing to EN 1296		-	NA		
Watertightness	New product	EN 1928	-	Pass	<10kPa	
	After ageing to EN 1296		-	NA		
Watertightness after stretching at low temperature		EN 13897	%	NA		
Resistance to root penetration		EN 13948	-	NA		
Dangerous substances consult: http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm		-	-	None		

NA=not applicable due to use of product.

The manufacturer reserves the right to modify, at any time, the characteristics of this product.