

Technical Data Sheet

ALPAFLORE PY AR

Description	ALPAFLORE PY AR is a stabilised polyester reinforced polymer modified (ALPA FC) bitumen waterproofing membrane with an anti-root treatment. Its surface is finished in mineral slate chippings. The minimum selvedge width is 6cm.	
Use	ALPAFLORE PY AR is used as the cap sheet or second layer in the ALPAFLORE waterproofing system for green roofs (traditional or extensive vegetation), and multi-function, self-protected terraces.	
Application method	Fully bonded, with fully sealed joints, using torch-on techniques to form a continuous layer.	
Storage	Rolls to be stored upright and away from heat.	
Composition	(indicative). See below.	

Reinforcement (g/m²) :	Stabilised polyester	180
Binder (g/m²) :	ALPA FC anti-root	2,900
Surface finish (g/m²) :	Mineral granules	1,200
Under surface finish (g/m²) :	Thermofusible film	10

Characteristics		Standards (BS)	Units	Value	Tolerance		
					Min	Max	
Dimensions	Length	EN 1848-1	m	10 or 5	-1%		
	Width		m	1	-1%		
	Straightness		-	Pass			
	Nominal roll weight		kg	43.9 (10m)			
	Thickness (selvedge)	EN 1849-1	mm	2.95	2.80	3.10	
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	NA	-	-	
	Cross direction			NA	-	-	
Tensile properties: maximum tensile force	Longitudinal	EN 12311-1	N/50 mm	750	500	1000	
	Cross direction			550	440	800	
Tensile properties: elongation	Longitudinal	EN 12311-1	%	35	25	50	
	Cross direction			35	25	50	
Peel resistance of joint	Maximum force	EN 12316-1	N/50mm	Selvedge	NA	-	-
				End joint	NA	-	-
	Average force			Selvedge	NA	-	-
				End joint	NA	-	-
Shear resistance of joint	Maximum force	EN 12317-1	N/50mm	Selvedge	NA	-	-
				End joint	NA	-	-
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	1500	≤		
Resistance to static loading		EN 12730 (A)	kg	20	≥		
Dimensional stability		EN 1107-1	%	0.5	≤		
Form stability under cyclic temperature change		EN 1108	mm	NA			

Characteristics		Standards (BS)	Units	Value	Tolerance	
					Min	Max
Water vapour transmission properties	New product	EN 1931	-	μ=20000		
	After ageing to EN 1296		-	NA		
Watertightness	New product	EN 1928	-	Pass	<10 kPa	
	After ageing to EN 1296		-	NA		
Watertightness after stretching at low temperature		EN 13897	%	NA		
Reaction to fire		EN 13501-1	-	PND		
Resistance to root penetration		EN 13948	-	Pass		
Dangerous substances consult: http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm		-	-	None		

NA=not applicable due to use of product. PND = performance not determined.

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