

PRODUCT DATA SHEET

n° of certification organisation: 0679
Year mark was 1st fixed : 2006

EXCELFLOR (ALPAFLORE) VV AR

Technical ref:
FT AXTER

DESCRIPTION

EXCELFLOR VV AR is a glass-fibre reinforced polymer modified bituminous, Alpa®-mix, waterproofing membrane with anti-root additive. Minimum selvedge width is 6cm.

USE

Cap sheet or top layer in a multi-layer flat roof waterproofing system for use under extensive or intensive green roofs.

APPLICATION METHOD

Torched.

STORAGE

Rolls to be stored upright and away from heat.

COMPOSITION (indicative)

Reinforcement (gm/m ²) :	Glass-fibre	50
Binder (gm/m ²) :	Alpa®-mix anti-root	2,980
Surface finish (gm/m ²) :	Mineral slates	1,000
Under surface finish (gm/m ²) :	Sand	300

CHARACTERISTICS

	STANDARD(BS)	UNITS	VALUES	Tolerance	
				Min	Max
Dimensions	EN 1848-1	Length	10	-1%	
		Width	1	-1%	
		Straightness	Pass		
		Nominal roll weight	43.7		
	EN 1849-1	Thickness (selvedge)	2.95	2.80	3.10
		New product	-	None	
Visible defects	EN 1850-1	After ageing to EN 1297	-	NA	
		Adhesion of granules	EN 12039	%	15
Resistance to tearing (nail shank)	EN 12310-1	Longitudinal	NA	-	-
		Cross direction	NA	-	-
Tensile properties : maximum tensile force	EN 12311-1	Longitudinal	450	350	550
		Cross direction	250	150	350
Tensile properties : elongation	EN 12311-1	Longitudinal	3	2	4
		Cross direction	3	2	4
Peel resistance of joint	EN 12316-1	Maximum force	Selvedge	NA	-
			End joint	NA	-
		Average force	Selvedge	NA	-
			End joint	NA	-
Shear resistance of joint	EN 12317-1	Maximum force	Selvedge	NA	-
			End joint	NA	-
Flexibility at low temperature	EN 1109	Surface	-14	≤	
		Under surface	-14	≤	
Flow resistance at elevated temperature	EN 1110	New product	120	≥	
		After ageing to EN 1296	NA		
Resistance to impact	EN 12691	mm	20	≤	
Resistance to static loading	EN 12730 (A)	kg	PND	≥	
Dimensional stability	EN 1107-1	%	0.1	≤	
Form stability under cyclic temperature change	EN 1108	%	NA		
Water vapour transmission properties	EN 1931	New product	-	μ=20000	
		After ageing to EN 1296	-	NA	
Watertightness	EN 1928	New product	-	Pass	<10 kPa
		After ageing to EN 1296	-	NA	
Watertightness after stretching at low temperature	EN 13897	%	NA		
Reaction to fire	EN 13501-1	-	F		
Resistance to root penetration	EN 13948	-	Pass		
Dangerous substances consult :	-	-	None		

http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm
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 its products.