

PRODUCT DATA SHEET

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

ALPAL DECOR CPV / EXCEL HR S

Technical ref:
AT ALPAL

DESCRIPTION

EXCEL HR S is a stabilised polyester reinforced polymer modified bituminous, Alpa®-mix, waterproofing membrane. Its surface is finished with coloured mineral slate chippings or ceramic granules and its under surface is finished with a torchable plastic film. The selvedge is 8 cm wide.

USE

Self-protected cap sheet in a single or two-layer waterproofing system. Suitable for inaccessible roofs with maintenance.

APPLICATION METHOD

Torched, full or partial bonding (direct or with perforated layer).

STORAGE

Rolls to be stored upright and away from heat.

COMPOSITION (indicative)

Reinforcement (gm/m ²) :	Stabilised polyester	180
Binder (gm/m ²) :	Alpa®-mix	4270
Surface finish (gm/m ²) :	Mineral slates or granules	1000 1200
Under surface finish (gm/m ²) :	Thermofusible film	10

CHARACTERISTICS

	STANDARD(BS)	UNITS	VALUES	Tolerance		
				Min	Max	
Dimensions	EN 1848-1	Length	8	-1%		
		Width	1	-1%		
		Straightness	-	Pass		
	EN 1849-1	Nominal roll weight	42.9			
		Thickness (selvedge)	4.00	3.80	4.20	
Visible defects	EN 1850-1	New product	-	None		
		After ageing to EN 1297	-	NA		
Adhesion of granules	EN 12039	%	15	0	30	
Resistance to tearing (nail shank)	EN 12310-1	Longitudinal	NA	-	-	
		Cross direction	NA	-	-	
Tensile properties : maximum tensile force	EN 12311-1	Longitudinal	600	500	880	
		Cross direction	600	500	750	
Tensile properties : elongation	EN 12311-1	Longitudinal	35	25	55	
		Cross direction	35	25	60	
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	600	500	880
			End joint	600	500	750
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	110	100	120	
Resistance to impact	EN 12691	mm	1750	≤		
Resistance to static loading	EN 12730 (A)	kg	20	≥		
Dimensional stability	EN 1107-1	%	0.3	≤		
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	<10kPa	
		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	-	NA			
Dangerous substances consult :	-	-	None			

http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm
NA=not applicable due to use of product.

The manufacturer reserves the right to modify, at any time, the characteristics of its products.