

PRODUCT DATA SHEET

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

EXCELSTRUCTURAL

Technical ref:
CdC HYPERFIX

DESCRIPTION

EXCELSTRUCTURAL is a stabilised polyester reinforced polymer modified bituminous, Alpa®-mix, waterproofing membrane. Its surface is finished in mineral slate chippings or ceramic granules. Minimum selvedge width is 8cm.

USE

Single layer torch-on cap sheet, used as part of the HYPERFIX system on inaccessible roofs.

APPLICATION METHOD

The membrane is torched on to the special HYPERFIX fixing plates which are not visible once installation is

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	3,200
Surface finish (gm/m ²) :	Mineral slates	1,000
	or granules	1,200
Under surface finish (gm/m ²) :	Thermofusible film	10

CHARACTERISTICS

	STANDARD(BS)	UNITS	VALUES	Tolerance		
				Min	Max	
Dimensions	EN 1848-1	Length	10	-1%		
		Width	1	-1%		
		Straightness	-	Pass		
	EN 1849-1	Nominal roll weight	48.4			
		Thickness (selvedge)	3.40	3.20	3.60	
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	700	580	820	
		Cross direction	560	500	620	
Tensile properties : elongation	EN 12311-1	Longitudinal	40	30	50	
		Cross direction	50	40	60	
Peel resistance of joint	EN 12316-1	Maximum force	Selvedge	200	150	250
			End joint			
		Average force	Selvedge	170	120	220
			End joint			
Shear resistance of joint	EN 12317-1	Maximum force	Selvedge	700	580	820
			End joint	560	500	620
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	20	≤		
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	
			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.