

PRODUCT DATA SHEET

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

Technical ref:
CdC EXCELFLEX

EXCELFLEX

DESCRIPTION

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

USE

Single layer cap sheet mechanically fixed along the selvedge for inaccessible roofs, with laps sealed by hot air or torch.

APPLICATION METHOD

Hot air or torch application.

STORAGE

Rolls to be stored upright and away from heat.

COMPOSITION (indicative)

Reinforcement (gm/m ²) :	Stabilised polyester	250
Binder (gm/m ²) :	Alpa®-mix	2,630
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	45.0			
		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	600	160	1040	
		Cross direction	600	180	1020	
Tensile properties : maximum tensile force	EN 12311-1	Longitudinal	990	500	1480	
		Cross direction	890	500	1280	
Tensile properties : elongation	EN 12311-1	Longitudinal	30	15	45	
		Cross direction	30	15	45	
Peel resistance of joint	EN 12316-1	Maximum force	Selvedge	150	100	200
			End joint			
		Average force	Selvedge	120	70	170
			End joint			
Shear resistance of joint	EN 12317-1	Maximum force	Selvedge	990	500	1040
			End joint	890	500	1020
Flexibility at low temperature	EN 1109		Surface	in progress		
			Under surface	in progress		
Flow resistance at elevated temperature	EN 1110		New product	140		
			After ageing to EN 1296	130	120	140
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.