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BS EN 13707 0679-CPD-0128

Prepared
▶ 20/02/2007
Cancels and replac
▶ 01/12/2004
Code :
▶ 17288XX
Manufacture source
▶ Courchelettes (Fr-59)

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

PRODUCT DATA SHEET

EXCEL HR FE

Technical ref:
▶ FT AXTER

DESCRIPTION

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

USE

For waterproofing of buildings and public works with demanding requirements. Used as a cap sheet in single and multi-layer roof waterproofing systems and for details. Especially adapted for: new build and refurbishment of light roofs (profiled metal, timber and timber derivatives deck), for torching direct on to non-coated mineral wool insulation boards and for spot torching on to existing waterproofing.

APPLICATION METHOD

Torched.

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 FE	3,600
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	5		0%	
		Width	1		-1%	
		Straightness	-	Pass		
	EN 1849-1	Nominal roll weight	25.7			
		Thickness (selvedge)	3.7	3.50	3.90	
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	780	660	900	
		Cross direction	650	570	730	
Tensile properties : elongation	EN 12311-1	Longitudinal	45	35	55	
		Cross direction	50	40	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	NA	-	-
			End joint	NA	-	-
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	NA		≤	
Resistance to static loading	EN 12730 (A)	kg	NA		≥	
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	<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	-	NA			
Dangerous substances consult : http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm	-	-	None			

NA=not applicable due to use of product.

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