

PRODUCT DATA SHEET

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

ARMALU

DESCRIPTION

ARMALU is a glass-fibre reinforced SBS elastomeric bitumen membrane with aluminium foil on the surface and thermofusible film on its undersurface. Minimum width of selvedge is 70mm.

USE

Capsheet for upstands / reinforced vapour control layer on concrete decks / capsheet for TOPMETAL S.

APPLICATION METHOD

Torched.

STORAGE

Rolls to be stored upright and away from heat.

COMPOSITION

(indicative)

Reinforcement (gm/m ²) :	Stabilised glass-fibre	60
Binder (gm/m ²) :	SBS elastomer	4,450
Surface finish (gm/m ²) :	Aluminium sheet 7/100	180
Under surface finish (gm/m ²) :	Thermofusible film	10

CHARACTERISTICS

			STANDARD(BS)	UNITS	VALUES	Tolerance	
						Min	Max
Dimensions	Length		EN 1848-1	m	8	-1%	
	Width			m	1	-1%	
	Straightness			-	Pass		
	Nominal roll weight			kg	37.8		
	Thickness (selvedge)		EN 1849-1	mm	3.65	3.50	3.80
Visible defects	New product		EN 1850-1	-	None		
	After ageing to EN 1297			-	NA		
Adhesion of granules			EN 12039	%	NA	-	-
Resistance to tearing (nail shank)	Longitudinal		EN 12310-1	N	350	250	450
	Cross direction				350	250	450
Tensile properties : maximum tensile force	Longitudinal		EN 12311-1	N/50 mm	880	600	1160
	Cross direction				830	600	1060
Tensile properties : elongation	Longitudinal		EN 12311-1	%	10	3	17
	Cross direction				11	3	19
Peel resistance of joint	Maximum force	Selvedge	EN 12316-1	N/50mm	NA	-	-
		End joint			NA	-	-
	Average force	Selvedge			NA	-	-
		End joint			NA	-	-
Shear resistance of joint	Maximum force	Selvedge	EN 12317-1	N/50mm	NA	-	-
		End joint			NA	-	-
Flexibility at low temperature	Surface		EN 1109	°C	-10	≤	
	Under surface				-10	≤	
Flow resistance at elevated temperature	New product		EN 1110	°C	90	≥	
	After ageing to EN 1296				100	90	110
Resistance to impact			EN 12691	mm	NA	≤	
Resistance to static loading			EN 12730 (A)	kg	NA	≥	
Dimensional stability			EN 1107-1	%	PND	≤	
Form stability under cyclic temperature change			EN 1108	%	0.3	≤	
Water vapour transmission properties	New product		EN 1931	-	1021		
	After ageing to EN 1296			-	1384		
Watertightness	New product		EN 1928	-	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. PND = Performance not determined.

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