

Technical Data Sheet

ARMALU

1. Description	<p>Armalu is a glass-tissue reinforced SBS elastomeric bitumen membrane with natural aluminium (mill finish) on the surface and thermofusible film on its under surface.</p> <p>Minimum width of selvedge is 70mm.</p>
2. Use	Top layer for upstands; component part of Exceljoint system.
3. Application Method	Fully bonded, with fully sealed joints, using torch-on technique.
4. Storage	Rolls to be stored upright and away from heat.
5. Composition	(Indicative). See below.

Binder (g/m²)	SBS elastomer
Surface finish (g/m²)	Aluminium sheet
Under surface finish (g/m²)	Thermofusible film

Characteristics		Standards (BS)	Units	Value	Tolerance		
					Min	Max	
Dimensions	Length	EN 1848-1	m	5	-1%		
	Width*		m	1	-1%		
	Straightness		-	Pass			
	Nominal roll weight	EN 1849-1	kg	Around 23			
	Thickness (on finished product)		mm	3.5			
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	250	-	-	
	Cross direction			250	-	-	
Tensile properties: maximum tensile force	Longitudinal	EN 12311-1	N/50 mm	600	-	-	
	Cross direction			600	-	-	
Tensile properties: elongation	Longitudinal	EN 12311-1	%	3	-	-	
	Cross direction			3	-	-	
Peel resistance of joint	Maximum force	EN 12316-1	N/50mm	Selvage	NA	-	-
				End joint	NA	-	-
	Average force			Selvage	NA	-	-
				End joint	NA	-	-
Shear resistance of joint	Maximum force	EN 12317-1	N/50mm	Selvage	NA	-	-
				End joint	NA	-	-
Flexibility at low temperature	Surface	EN 1109	°C	-10	≤		
	Under surface			NA	≤		
Flow resistance at elevated temperature	New product	EN 1110	°C	90	≥		
	After ageing to EN 1296			90	-	-	
Resistance to impact		EN 12691	mm	NA	≤		
Resistance to static loading		EN 12730 (A)	kg	NA	≥		
Dimensional stability		EN 1107-1	%	-	≤		
Form stability under cyclic temperature change		EN 1108	%	-			

Water vapour transmission properties	New product	EN 1931	-	1000	≥
	After ageing to EN 1296		-	-	
Watertightness	New product	EN 1928	-	-	<10 kPa
	After ageing to EN 1296		-	NA	
Watertightness after stretching at low temperature		EN 13897	%	NA	
Reaction to fire		EN 13501-1	-	NA	
Resistance to root penetration		EN 13948	-	NA	
Dangerous substances consult : http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm		-	-	NA	

NA=Not applicable due to use of product.

NPD=No performance determined.

The manufacturer reserves the right to modify, at any time, the characteristics of this product.

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