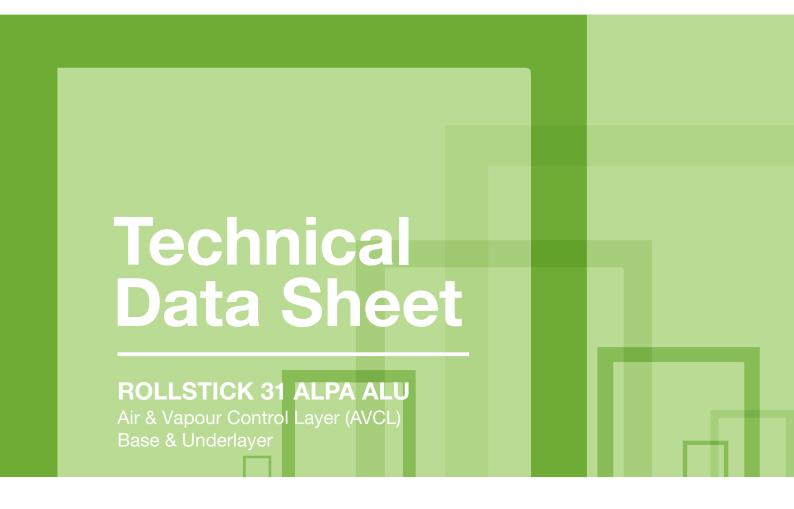


Bitumen Waterproofing Single Ply Waterproofing



Description	ROLLSTICK 31 ALPA ALU is a glass-fibre/aluminium reinforced bitumen air and vapour control layer with ALPA binder. It has semi-continuous strips of self-adhesive bitumen on the surface, protected by a thermofusible film, and a thermofusible film on the undersurface.		
Use	An air and vapour control layer (AVCL) low permeability membrane used as part of a system to control the movement of air, water vapour and heat leakage from within the building. Can also be used as base or underlayer as part of a multi-layer waterproofing system, and as an adhesive layer + AVCL for insulation.		
	The choice of AVCL will depend on the degree of air and vapour pressure produced, the specified roof deck/slab and the need for a robust temporary waterproofing layer.		
	ROLLSTICK 31 ALPA ALU is suitable for use in bitumen and single ply warm roof waterproofing systems.		
Application method	Installed fully bonded, with fully sealed joints, using torch-on techniques to form a continuous layer. The self-adhesive strips on the surface are activated by heat and the protective film disappears. Insulation baords can then be laid on the self-adhesive strips.		
Storage	Rolls to be stored upright and away from heat.		
Composition	(indicative). See below.		

Reinforcement (g/m²) :	Alumium/glass-fibre composite	120
Binder (g/m²) :	ALPA	2,600
Surface finish (g/m²) :	Film	10
Under surface finish (g/m²) :	Film	10

Characteristics		Standards (BS)	Units	Value	Tolerance		
						Min	Max
Dimensions	Length		EN 1848-1	m	7	-1%	
	Width			m	1	-1%	
	Straightness			-	Pass		
	Nominal roll weight			kg	22.1		
	Thickness (finishe	d product)	EN 1849-1	mm	2.20	2.00	2.40
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 10010 1		160	120	200
	Cross direction		EN 12310-1	N	150	110	200
Tensile properties: maximum tensile force	Longitudinal		EN 12311-1	N/50 mm	500	300	700
	Cross direction				350	250	450
Tensile properties: elongation	Longitudinal		EN 12311-1	%	15	5	35
	Cross direction				40	15	50
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 End joint	Selvedge	EN 12317-1	N/50mm	NA	-	-
		End joint			NA	-	-
Flexibility at low temperature	Surface		EN 1109	°C	NA	≤	
	Under surface				NA	≤	

Characteristics		Standards (BS)	Units	Value	Tolerance	
					Min	Max
Flow resistance at elevated temperature	New product	EN 1110	°C	NA	≥	
	After ageing to EN 1296			NA		
Resistance to impact		EN 12691	mm	NA	≤	
Resistance to static loading		EN 12730	kg	NA	≥	
Dimensional stability		EN 1107-1	%	NA	≤	
Form stability under c	Form stability under cyclic temperature change		%	NA		
Water vapour transmission properties	New product	EN 1931	Sd(m)	1000	≥	
	After ageing to EN 1296		Sd(m)	1100	≥	
Watertightness	New product	EN 1928	-	Pass	< 2 kPa	
	After ageing to EN 1296		-	NA		
Watertightness after s	Watertightness after stretching at low temperature		%	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 this product.