Technical Data Sheet

STICKFLEX ADH

Flame Free Underlayer

Description	Stickflex ADH is a stabilised glass-fibre reinforced SBS elastomeric modified bitumen waterproofing membrane. The membrane has a fleece surface and a silicone film on the under surface.
Use	Underlayer in Force ADH flame free warm roof, adhered (cold bond) multi-layer bitumen membrane roof waterproofing system.
Application method	Fully bonded, with fully sealed joints, by flame free self adhesive hot air tooling techniques, to form a continuous watertight layer. The Stickflex ADH flame free membrane must be laid loose and positioned prior to removal of the protective silicone release film from the underside of roll. Simultaneously unroll the membrane and remove the protective silicone release film exposing the self-adhesive surface and ensure full adhesion to the membrane/prepared surface below, using hot air activation/flame-free tooling as necessary. A heavy metal roller should be used to remove any air bubbles and ensure full bonding is achieved. Lap joints are secured using flame free self adhesive hot air tooling and a 2mm bead of bitumen should be visible along the selvedge.
Storage	Rolls to be stored upright and away from heat.
Composition	(Indicative).

Reinforcement (g/m²) :	Glass-fibre	50
Binder :	SBS elastomer (self adhesive on undersurface)	
Surface finish :	Fleece	
Under surface finish :	Peel-off silicone film	

Characteristics		Standard(BS)	Units	Values	Tolerance	
					Min	Max
Dimensions	**Length**	EN 1848-1	m	16	-1% MLV	
	Width		m	1	-1% MLV	
	Straightness		-	20mm x 10m	Pass	
	Thickness (selvedge)		mm	2.00	±0.2	
Visible defects		EN 1850-1	-	None		
Resistance to tearing (nail shank)	**Longitudinal**	EN 12310-1	N	70	-30%	
	Cross direction			70		
External fire performance		EN 13501-5	Class	F Roof	NPD	
Shear resistence longitudinal / transversal		EN 12317-1	N/50mm	250 / 150	±20%	
Resistance to static loading Method A		EN 12730	kg	10	MLV	
Tensile properties: maximum tensile strength	**Longitudinal**	EN 12311-1	N/50mm	300	±20%	
	Cross direction			200		
Tensile properties : elongation at break	**Longitudinal**	EN 12311-1	%	5	-2 absolute	
	Cross direction			5		
Flexibility at low temperature		EN 1109	°C	-25	MLV	

Characteristics		Standard(BS)	Units	Values	Tolerance	
					Min	Max
Flow resistance at elevated temperature	New product	EN 1110	°C	100	MLV	
Dimensional stability	Longitudinal	EN 1107-1 A	%	±0.1	MLV	
	Cross direction					
Self Adhesion Properties		ASTM D 1000	N/10mm	20	-5	
Watertightness (A)		EN 1928	kPa	60	MLV	
Reaction to fire		EN 13501-1	Class	E	Pass	

NA=not applicable due to use of product. NPD=No Performance Determined.
MDV=Manufacturer declared value. MLV=Manufacturer limiting value.

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