

# Technical Data Sheet

## STICKFLEX

Self Adhesive, Underlayer, Air & Vapour Control Layer (AVCL)

<b>Description</b>	Stickflex is a self adhesive, glass-fibre reinforced (50gm) SBS elastomeric modified bitumen waterproofing membrane. Both surfaces of the membrane are covered with film.
<b>Use</b>	A base or underlayer in Axter Neo-Bitumen® flame free, warm roof, multi-layer waterproofing system. Can also be used as an air and vapour control layer (AVCL) low permeability membrane to control the movement of air, water vapour and heat leakage from within the building. 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. Stickflex is suitable for use in bitumen and single ply warm roof waterproofing systems.
<b>Application method</b>	<p>Fully bonded, with fully sealed joints, using self-adhesive/hot air techniques to form a continuous layer.</p> <p>The Stickflex membrane must be loose laid in position prior to removal of silicone release film from the underside of the roll.</p> <p>Simultaneously unroll the membrane and remove the protective silicone release film exposing the Neo-Bitumen® self adhesive surface and ensure full adhesion to the membrane/prepared surface below, using hot air activation/flame-free tooling as necessary.</p> <p>A heavy metal roller should be used to remove any air bubbles and ensure full bonding is achieved.</p> <p>Lap joints are secured using flame free self adhesive hot air tooling and a 2mm bead of bitumen should be visible along the selvedge.</p> <p>Full adhesion is completed through hot air activation during installation of the self adhesive capsheet.</p>
<b>Storage</b>	Rolls to be stored upright and away from heat.
<b>Composition</b>	(indicative).

<b>Reinforcement (g/m<sup>2</sup>) :</b>	Glass-fibre	50
<b>Binder :</b>	SBS elastomer (self adhesive on undersurface)	
<b>Surface finish :</b>	Self-adhesive receivable film	
<b>Under surface finish :</b>	Self-adhesve peel-off silicone film	

Characteristics		Standard	Units	Values	Tolerance
Dimensions	Length	EN 1848-1	m	16	-1% MLV
	Width		m	1	-1% MLV
	Straightness		-	20mm x 10m	Pass
	Nominal roll weight		kg	41.6	
	Thickness (on finished product)	EN 1849-1	mm	2.0	± 0.20
Visible defects		EN 1850-1	-	None	
Watertightness (A)		EN 1928	kPa	60	MLV
External fire performance		EN 13501-5	Class	F Roof	NPD
Shear resistance longitudinal / transversal		EN 12317-1	N/50mm	250 / 150	± 20%
Resistance to static loading Method A		EN 12730	kg	10	MLV
Reaction to fire		EN 13501-1	Class	E	Pass
Tensile strength (longitudinal / transversal)		EN 12311-1	N/50mm	300 / 200	± 20%
Elongation at break (longitudinal / transversal)		EN 12311-1	%	5 / 5	-2 absolute
Resistance to tearing (nail shank)		EN 12310-1	N	70 / 70	-30%
Dimensional stability (longitudinal / transversal)		EN 1107-1 Method A	%	± 0.1%	MLV
Flexibility at low temperature		EN 1109	°C	-25	MLV
Flow resistance at elevated temperature		EN 1110	°C	100	MLV
Self-adhesion properties		ASTM D 1000	N/10mm	20	-5

NPD=No Performance Determined

MDV=Manufacturer declared value. MLV=Manufacturer limiting value.

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