Bitumen Waterproofing

Liquid Waterproofing

Technical Data Sheet

STICKFLEX SANDED

Description	Stickflex Sanded is a self-adhesive, glass-fibre reinforced SBS elastomeric modified bitumen waterproofing membrane with sanded surface and under surface covered with a peel-off film. The under surface and side lap are self-adhesive. The width of the side lap is 7cm.
Use	Stickflex Sanded is suitable for use in bitumen and cold applied liquid warm flat roof waterproofing systems as:- base or underlayer in a warm roof multi-layer waterproofing system;- 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 depends on the degree of air and vapour pressure produced, the specified roof deck/slab and the need for a robust temporary waterproofing layer.- carrier membrane for cold applied liquid waterproofing systems. Stickflex Sanded can therefore be specified in Safe2Torch waterproofing systems as both underlayer across the main field under a torch-applied capsheet and also at perimeters under a liquid membrane.
Application method	Installed fully bonded, with fully sealed joints, using self-adhesive/hot air techniques to form a continuous layer. The peel-off film must be removed before installing the Stickflex Sanded on to the deck or thermal insulation.
Storage	Rolls to be stored upright and away from heat.

Composition (indicative)

Reinforcement (g/m²) :	Glass fibre	50
Binder (g/m²) :	SBS elastomer	2,200
Surface finish (g/m²) :	Sand	100
Under surface finish (g/m²) :	Peel-off silicone film	40

Characteristics			**Standard**	**Units**	**Value**	**Tolerance**	
						Min	**Max**
Dimensions	**Length**		EN 1848-1	m	16	-1%	
	Width			m	1	-1%	
	Straightness			-	Pass		
	Nominal roll weight			kg	49.2		
	Thickness (on finished product)		EN 1849-1	mm	2.00	1.80	2.20
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	NA	-	-
	Cross direction				NA	-	-
Tensile properties: maximum tensile force	**Longitudinal**		EN 12311-1	N/50 mm	250	200	550
	Cross direction				150	120	350
Tensile properties: elongation	**Longitudinal**		EN 12311-1	%	3	2	4
	Cross direction				3	2	4
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	-16	≤	
	Under surface				-16	≤	

Characteristics		Standard	Units	Value	Tolerance	
					Min	Max
Flow resistance at elevated temperature	**New product**	EN 1110	°C	100	≥	
	After ageing to EN 1296			NA		
Resistance to impact		EN 12691	mm	NA	≤	
Resistance to static loading		EN 12730 (A)	kg	NA	≥	
Dimensional stability		EN 1107-1	%	0.1	≤	
Form stability under cyclic temperature change		EN 1108	%	NA		
Water vapour transmission properties	**New product**	EN 1931	-	μ=20000		
	After ageing to EN 1296		-	NA		
Watertightness	**New product**	EN 1928	-	Pass	at 10 kPa	
	After ageing to EN 1296		-	NA		
Watertightness after stretching at low temperature		EN 13897	%	NA		
Reaction to fire		EN 13501-1	-	NPD		
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.