

Technical Data Sheet

STICKFLEX SANDED

1. 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.
2. 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.
3. 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.
4. Storage	Rolls to be stored upright and away from heat.
5. Composition	(Indicative).

Reinforcement (g/m ²)	Glass fibre	50
Binder (g/m ²)	SBS elastomer	2,200
Surface finish (g/m ²)	Sand	100
Under surface finish (g/m ²)	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	43			
	Thickness (on finished product)	EN 1849-1	mm	2	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/50mm	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	EN 12316-1	N/50mm	Selvedge	NA	-	-
				End joint	NA	-	-
	Average force			Selvedge	NA	-	-
				End joint	NA	-	-
Shear resistance of joint	Maximum force	EN 12317-1	N/50mm	Selvedge	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 10kPa	
	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		

NA=Not applicable due to use of product.

NPD=No Performance Determined.

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