Technical Data Sheet

MATFIX

Separation and Filter Layer

Description	MATFIX is a glass-fibre reinforced SBS elastomeric modified bitumen waterproofing membrane. It is finished on its under surface with a polyester mat.
Use	Mechanically fixed base layer in torch-on waterproofing systems on timber, cellular concrete, insulation board or existing waterproofing deck.
Application method	Mechanically fastened.
Storage	Rolls to be stored upright and away from heat.
Composition	(indicative)

Reinforcement (g/m²) :	Glass-fibre	50
Binder (g/m²) :	SBS elastomer	1,400
Surface finish (g/m²) :	Thermofusible film	10
Under surface finish (g/m²) :	Polyester mat	100

Characteristics			Standards (BS)	Units	Value	Tolerance	
						Min	Max
Dimensions	Length		EN 1848-1	m	20	-1%	
	Width			m	1	-1%	
	Straightness			-	Pass		
	Nominal roll weight			kg	31.1		
	Thickness (on finished product)		EN 1849-1	mm	1.6	-	-
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	220	200	320
	Cross direction				180	170	260
Tensile properties: maximum tensile force	Longitudinal		EN 12311-1	N/50 mm	400	300	500
	Cross direction				300	200	400
Tensile properties: elongation	Longitudinal		EN 12311-1	%	25	20	45
	Cross direction				25	20	45
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	≤	
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	%	0.3	≤	
Form stability under cyclic temperature change			EN 1108	%	NA		

Characteristics		Standards (BS)	Units	Value	Tolerance	
					Min	Max
Water vapour transmission properties	New product	EN 1931	-	μ=20000		
	After ageing to EN 1296		-	NA		
Watertightness	New product	EN 1928	-	Pass	<10 kPa	
	After ageing to EN 1296		-	NA		
Watertightness after stretching at low temperature		EN 13897	%	NA		
Reaction to fire		EN 13501-1	-	PND		
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 its products.