

# Technical Data Sheet

## TOPAZ 25 Capsheet & Top Layer

<b>Description</b>	TOPAZ 25 is a glass-fibre reinforced SBS elastomeric modified bituminous waterproofing membrane incorporating a mineral chipping protective finish and a thermofusible film on the under surface. Minimum selvedge width is 6cm. Available in Charcoal, White or Natural Slate (6m x 1m roll) and Natural Slate (10m x 1m roll).
<b>Use</b>	Capsheet in the TOPFLAM and TOPFIX multilayer roof waterproofing systems.
<b>Application method</b>	Installed fully bonded, with fully sealed joints, using torch-on technique, to achieve a continuous layer.
<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 (g/m<sup>2</sup>) :</b>	SBS Elastomer	3,000
<b>Surface finish (g/m<sup>2</sup>) :</b>	Mineral slates	1,000
<b>Under surface finish (g/m<sup>2</sup>) :</b>	Thermofusible film	10

Characteristics		Standards (BS)	Units	Value	Tolerance		
					Min	Max	
Dimensions	Length	EN 1848-1	m	6 or 10	-1%		
	Width		m	1	-1%		
	Straightness		-	Pass			
	Nominal roll weight		kg	24 (6m) 40 (10m)			
	Thickness (selvedge)	EN 1849-1	mm	2.65	2.50	2.80	
Visible defects	New product	EN 1850-1	-	None			
	After ageing to EN 1297		-	NA			
Adhesion of granules		EN 12039	%	15	0	30	
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	500	
	Cross direction			150	120	280	
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	≤		
Flow resistance at elevated temperature	New product	EN 1110	°C	100	≥		
	After ageing to EN 1296			110	90	120	
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			

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: <a href="http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm">http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm</a>		-	-	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.