

# Technical Data Sheet

## FORCE 3000 TRAFIC

<b>Description</b>	FORCE 3000 TRAFIC is a stabilised polyester reinforced, SBS elastomeric modified bitumen waterproofing membrane with anti-root treatment. Its surface is finished with natural slate chippings. The selvedge width is 10 cm. Standard roll size is 5m x 1m (weight 22.8kg) but it is also available in 8m x 1m rolls on request (weight 36.1kgs).
<b>Use</b>	Top layer or cap sheet in waterproofing system for flat or low slope roofs and living roofs.
<b>Application method</b>	Fully bonded, with sealed joints, using torch-on technique to form 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>	Stabilised polyester	180
<b>Binder (g/m<sup>2</sup>) :</b>	Anti-root SBS elastomer	3,000
<b>Surface finish (g/m<sup>2</sup>) :</b>	Slate chippings	1,200
<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	5 or 8	-1%		
	Width		m	1	-1%		
	Straightness		-	Pass			
	Nominal roll weight		kg	See Description			
	Thickness (selvedge)	EN 1849-1	mm	3.20			
Visible defects	New product	EN 1850-1	-	None			
Adhesion of granules		EN 12039	%	15	0	30	
Initial amount of mineral surface protection		EN12039:1999 Annex B	g/m <sup>2</sup>	1000	800	-	
Tensile properties: maximum tensile force	Longitudinal	EN 12311-1	N/50 mm	750	500	-	
	Cross direction			650	500	-	
Tensile properties: elongation	Longitudinal	EN 12311-1	%	35	25	-	
	Cross direction			35	25	-	
Shear resistance of joint	Maximum force	EN 12317-1	N/50mm	Selvedge	650	500	
				End joint	750	500	
Water absorption		EN 14223	%	2	≤		
Flexibility at low temperature	Before artificial ageing	EN 1109	°C	Surface	-16	≤	
				Under surface	-16	≤	
	After artificial ageing to EN 1296			Surface	decrease after artificial ageing ≤ 15 °C		
				Under surface			
Flow resistance at elevated temperature	New product	EN 1110	°C	100	≥		
	After ageing to EN 1296			90	≥		
Resistance to impact		EN 12691	mm	600	≥		
Resistance to static loading		EN 12730(A)	kg	20	≥		
Dimensional stability		EN 1107-1	%	0.5	≤		
Watertightness	New product	EN 1928	-	Waterproof	<60 kPa		
	After ageing to EN 1296		-	Waterproof			
Watertightness		EN 14694	-	Waterproof			
Reaction to fire		EN 13501-1	-	F			

Characteristics	Standards (BS)	Units	Value	Tolerance	
				Min	Max
Resistance to compaction of an asphalt layer	EN 14692	-	Pass		
Resistance to root penetration	EN 13948	-	Pass		
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 this product.