

Technical Data Sheet

FORCE 3000 TRAFIC

Description	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).
Use	Top layer or cap sheet in waterproofing system for flat or low slope roofs and living roofs.
Application method	Fully bonded, with sealed joints, using torch-on technique to form continuous layer.
Storage	Rolls to be stored upright and away from heat.
Composition	(indicative)

Reinforcement (g/m²) :	Stabilised polyester	180
Binder (g/m²) :	Anti-root SBS elastomer	3,000
Surface finish (g/m²) :	Slate chippings	1,200
Under surface finish (g/m²) :	Thermofusible film	10

Characteristics		Standards (BS)	Units	Value	Tolerance		
					Min	Max	
Dimensions	Length	EN 1848-1	m	5	-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 ²	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	1250	≥		
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	-	PND			

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 : 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.