

# PRODUCT DATA SHEET

n° of certification organisation: 0679  
Year mark was 1<sup>st</sup> fixed : 2006

## FORCE 4000 TRAFIC

Code :  
150400X  
Manufacture source  
Courchelettes (Fr-59)

Technical ref:  
AT FORCE TRAFIC  
AT HYRANGER TS  
AT CITYFLOR  
Cdc FORCE TRAFIC

### DESCRIPTION

→ FORCE 4000 TRAFIC is a stabilised polyester reinforced, SBS elastomeric modified bituminous waterproofing membrane with anti-root additive. Its surface is finished with mist grey mineral granules. Minimum selvedge width is 10cm.

### USE

→ Used as top layer with added bitumen based protection (mastic asphalt, macadam) to waterproof terraces with vehicular access. FORCE 4000 TRAFIC can also be used on terrace roofs or for waterproofing underground structures.

### APPLICATION METHOD

→ Torched.

### STORAGE

→ Rolls to be stored upright and away from heat.

### COMPOSITION

(indicative)

Reinforcement (gm/m <sup>2</sup> ) :	Stabilised polyester	250
Binder (gm/m <sup>2</sup> ) :	Anti-root SBS elastomer	3,300
Surface finish (gm/m <sup>2</sup> ) :	Mineral granules	1,400
	Mineral slates	1,200
Under surface finish (gm/m <sup>2</sup> ) :	Thermofusible film	10

### CHARACTERISTICS

	STANDARD(BS)	UNITS	VALUES	Tolerance		
				Min	Max	
Dimensions	EN 1848-1	Length	8	0%		
		Width	1	-1%		
		Straightness	-	Pass		
	EN 1849-1	Nominal roll weight	40.0			
		Thickness (on selvedge)	4.00	3.80	4.20	
Visible defects	EN 1850-1	New product	-	None		
		After ageing to EN 1297	-	NA		
Adhesion of granules	EN 12039	%	15	0	30	
Resistance to tearing (nail shank)	EN 12310-1	Longitudinal	250	200		
		Cross direction	300	200		
Tensile properties : maximum tensile force	EN 12311-1	Longitudinal	900	800	1150	
		Cross direction	900	800	1100	
Tensile properties : elongation	EN 12311-1	Longitudinal	45	35	65	
		Cross direction	50	40	80	
Peel resistance of joint	EN 12316-1	Maximum force	Selvedge	NA	-	-
			End joint	NA	-	-
		Average force	Selvedge	NA	-	-
			End joint	NA	-	-
Shear resistance of joint	EN 12317-1	Maximum force	Selvedge	900	800	1000
			End joint	900	800	1050
Flexibility at low temperature	EN 1109	Surface	-16	≤		
		Under surface	-16	≤		
Flow resistance at elevated temperature	EN 1110	New product	100	≥		
		After ageing to EN 1296	90	≥		
Resistance to impact	EN 12691	mm	1750	≥		
Resistance to static loading	EN 12730	kg	25	≥		
Dimensional stability	EN 1107-1	%	0.5	≤		
Form stability under cyclic temperature change	EN 1108	%	NA			
Water vapour transmission properties	EN 1931	New product	-	μ=20000		
		After ageing to EN 1296	-	NA		
Watertightness	EN 1928	New product	-	Pass	<60 kPa	
		After ageing to EN 1296	-	Pass	<60 kPa	
Watertightness after stretching at low temperature	EN 13897	%	NA			
Reaction to fire	EN 13501-1	-	F			
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.

The manufacturer reserves the right to modify, at any time, the product characteristics.