

PRODUCT DATA SHEET

n° of certification organisation: 0679
Year mark was 1st fixed : 2006

Technical ref:
▶ AXTER

FORCE SA

DESCRIPTION

→ FORCE SA is a self-adhesive, glass-fibre reinforced SBS elastomeric modified bituminous waterproofing membrane. The under surface is covered with a peel-off film. The under surface and side lap are self-adhesive. The width of the side lap is 7cm.

USE

→ Self-adhesive / heat activated base layer in multi-layer torch on roof waterproofing systems. The peel-off film must be removed before installing the FORCE SA on to the deck or thermal insulation.

APPLICATION METHOD

→ Self-adhesive / heat activated.

STORAGE

→ Rolls to be stored upright and away from heat.

COMPOSITION

(indicative)

Reinforcement (gm/m ²) :	Glass fibre	50
Binder (gm/m ²) :	SBS elastomer	2,200
Surface finish (gm/m ²) :	Macroperforated film + sand	100
Under surface finish (gm/m ²) :	Peel-off silicone film	40

CHARACTERISTICS

	STANDARD	UNITS	VALUES	Tolerance		
				Min	Max	
Dimensions	EN 1848-1	Length	16	-1%		
		Width	1	-1%		
		Straightness	Pass			
		Nominal roll weight	38			
	EN 1849-1	Thickness (on finished product)	2.00	1.80	2.20	
Visible defects	EN 1850-1	New product	None			
		After ageing to EN 1297	NA			
Adhesion of granules	EN 12039	%	NA	-	-	
Resistance to tearing (nail shank)	EN 12310-1	Longitudinal	NA	-	-	
		Cross direction	NA	-	-	
Tensile properties : maximum tensile force	EN 12311-1	Longitudinal	250	200	-	
		Cross direction	150	120	-	
Tensile properties : elongation	EN 12311-1	Longitudinal	3	2	-	
		Cross direction	3	2	-	
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	NA	-	-
			End joint	NA	-	-
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	NA			
Resistance to impact	EN 12691	mm	500	≤		
Resistance to static loading	EN 12730 (A)	kg	5	≥		
Dimensional stability	EN 1107-1	%	0.1	≤		
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		
		After ageing to EN 1296	-	NA		
Watertightness after stretching at low temperature	EN 13897	%	NA	at 10 kPa		
Reaction to fire	EN 13501-1	-	F			
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.