

PRODUCT DATA SHEET

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

Technical ref:
▶ FT AXTER

FORCE MB 40 PY 180 TS

DESCRIPTION

→ FORCE MB 40 PY 180 TS is a stabilised polyester reinforced, SBS elastomeric modified bituminous waterproofing membrane.

USE

→ Top layer in a single or multi-layer waterproofing system under site applied added protection and for underground structures.

APPLICATION METHOD

→ Torched.

STORAGE

→ Rolls to be stored upright and away from heat.

COMPOSITION (indicative)

Reinforcement (gm/m ²) :	Stabilised polyester	180
Binder (gm/m ²) :	SBS elastomer	4,350
Surface finish (gm/m ²) :	Sand	250
Under surface finish (gm/m ²) :	Thermofusible film	10

CHARACTERISTICS

	STANDARD(BS)	UNITS	VALUES	Tolerance		
				Min	Max	
Dimensions	EN 1848-1	Length	10	-1%		
		Width	1	-1%		
		Straightness	-	Pass		
		Nominal roll weight	kg	47.3		
	EN 1849-1	Thickness (on finished product)	4.00	3.80	4.20	
		Visible defects	New product	-	None	
	EN 1850-1	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	690	500	880	
		Cross direction	540	400	680	
Tensile properties : elongation	EN 12311-1	Longitudinal	40	35	45	
		Cross direction	50	35	65	
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	540	400	680
			End joint	690	500	880
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	20	≤		
Resistance to static loading	EN 12730 (A)	kg	20	≥		
Dimensional stability	EN 1107-1	%	0.3	≤		
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	<10 kPa	
		After ageing to EN 1296	-	NA		
Watertightness after stretching at low temperature	EN 13897	%	NA			
Reaction to fire	EN 13501-1	-	F			
Resistance to root penetration	EN 13948	-	NA			
Dangerous substances consult :	-	-	None			

http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm
NA=not applicable due to use of product.

The manufacturer reserves the right to modify, at any time, the characteristics of its products.