

TECHNICAL DATASHEET

TERRAGUM E 180 4 S/F

Technical ref
AXTER DATASHEET

PRESENTATION

TERRAGUM E 180 4 S/F is a stabilised polyester reinforced APP bituminous waterproofing membrane.

USAGE

Capsheet in roof waterproofing system

LAY OUT

To torch out

STORAGE

Rolls to be stored upright, without stacking and under cover

COMPOSITION

(for information)

Reinforcement (g/m ²) :	Polyester	180
Binder (g/m ²) :	APP	4000
Finishing surface (g/m ²) :	Sand	300
Finishing underside (g/m ²) :	Thermofusible film	10

CHARACTERISTICS

		NORMS	UNITS	VALUES	Tolerance		
					Min	Max	
Dimensions	Length	EN 1848-1	m	10	0%		
	Width		m	1	-1%		
	Straightness		-	Pass			
Thickness		EN 1849-1	mm	4.0	3.80	4.20	
Visual defects	Before artificial ageing	EN 1850-1	-	Without			
	After Artificial ageing according to EN 1297		-	Without			
Adhesion of granules		EN 12039	%	NR	-	-	
Resistance to tearing	longitudinal	EN 12310-1	N	NR	-	-	
	transverse			NR	-	-	
Tensile properties : maximal tensile strength	longitudinal	EN 12311-1	N/50 mm	1000	680	1300	
	transverse			750	560	900	
Tensile properties : maximal elongation	longitudinal	EN 12311-1	%	45	35	60	
	transverse			45	35	60	
Peel resistance	Maximal strength	EN 12316-1	N/50mm	NR	-	-	
				transverse	NR	-	-
	Average strength			longitudinal	NR	-	-
				transverse	NR	-	-
Shear resistance	Maximal strength	EN 12317-1	N/50mm	NR	-	-	
				transverse	NR	-	-
Flexibility at low temperature (pliability)	Surface	EN 1109	°C	-5	≤		
	Underside			-5	≤		
Flow resistance at elevated temperature	Before artificial ageing	EN 1110	°C	120	≥		
	After Artificial ageing according to EN 1296			90	≥		
Resistance to impact		EN 12691	mm	400	≤		
Resistance to static loading		EN 12730 (A)	kg	20	≥		
Dimensional stability		EN 1107-1	%	0.3	≤		
Form stability under cyclic temperature change		EN 1108	mm	NR			
Water vapour properties	Before artificial ageing	EN 1931	-	μ=20000			
	After Artificial ageing according to EN 1296			-	NR		
Watertightness	Before artificial ageing	EN 1928	-	Waterproof	under 10 kPa		
	After Artificial ageing according to EN 1296			-			NR
Watertightness after stretching at low temperature		EN 13897	%	NR			
Reaction to fire		EN 13501-1	-	F			
Resistance to root penetration		EN 13948	-	NR			
Dangerous substances according to database "Dangerous substances" : http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm		-	-	None			

NR=not relevant

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