

TECHNICAL DATASHEET

TERRAGUM E 180 4,5kg G

Technical ref
AXTER DATASHEET

PRESENTATION

TERRAGUM E 180 4,5kg G is a stabilised polyester reinforced APP bituminous waterproofing membrane, self protected with a mineral surface.

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	3100
Finishing surface (g/m ²) :	Mineral granules	1200
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		
Surface mass		EN 1849-1	kg/m ²	4.5	4.30	4.70
Visual defects		EN 1850-1	-	Before artificial ageing	Without	
After Artificial ageing according to EN 1297				-	NR	
Adhesion of granules		EN 12039	%	15	0	30
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	longitudinal	NR	-
				transverse	NR	-
	Average strength			longitudinal	NR	-
				transverse	NR	-
Shear resistance	Maximal strength	EN 12317-1	N/50mm	longitudinal	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	600	≤	
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.