

# TECHNICAL DATASHEET

## TERRAGUM A 4 S/F

Technical ref  
AXTER DATASHEET

### PRESENTATION

TERRAGUM A 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 <sup>2</sup> ) :	Polyester	120
Binder (g/m <sup>2</sup> ) :	APP	4000
Finishing surface (g/m <sup>2</sup> ) :	Sand	300
Finishing underside (g/m <sup>2</sup> ) :	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	530	320	650	
	transverse			350	240	400	
Tensile properties : maximal elongation	longitudinal	EN 12311-1	%	25	15	40	
	transverse			40	20	55	
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	110	≥		
	After Artificial ageing according to EN 1296			90	≥		
Resistance to impact		EN 12691	mm	400	≤		
Resistance to static loading		EN 12730 (A)	kg	10	≥		
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" : <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			

NR=not relevant

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