

PRODUCT DATASHEET

COLETANCHE AXTER TP 4

FT AXTER

DESCRIPTION

COLETANCHE AXTER TP 4 is an SBS elastomeric modified bituminous geomembrane with a stabilized polyester reinforcement.
It is 4mm thick, and with a 140mm selvedge width.

USE

Moderate level of mechanical resistance, for use an environmental protection and groundworks waterproofing, in particular :

- To cover landfill,
- Hydraulic ponds,
- Containment of Industrial liquid wastes,
- Canals ,
- Contaminated land.
- Tunnels and watereproofing for underground structures
- Waterproofing to prevent moisture rising back from the underground

APPLICATION METHOD

Torched

STORAGE

Rolls layed down

COMPOSITION

(indicative)

Reinforcement (g/m ²) :	Stabilized polyester	250
Binder (g/m ²) :	Elastomeric SBS	4000
Surface finish (g/m ²) :	Sand	300
Under surface finish (g/m ²) :	Antiroot film	17

CHARACTERISTICS

				VALUES	Tolerance	
					Min	Max
Dimensions	Length		STANDARD	15	14.85%	
	Width		EN 1848-1	2	1.98%	
	Straigthness			-	Conform	
Thickness (on selvedge width)			EN 1849-1	mm 4.0	3.8	
Surface mass				kg/m ² 5.3	5.0	
Visible defects		New product	EN 1850-1	-	Without	
		After ageing according to EN 1297		-	NA	
Tensile properties:		Longitudinal	EN 12311-1	N/50 mm	950	800
Maximum tensile strength		Cross section			900	800
Tensile properties:		Longitudinal	EN 12311-1	%	40	30
Elongation		Cross section			40	30
Shear resistance of joint	Maximum force	Selvedge	EN 12317-1	N/50mm	900	800
		End joint			950	800
Flexibility at low temperature	Surface		EN 1109	°C	-16	≤
	Under surface				-16	≤
Flow resistance at elevated temperature			EN 1110	°C	100	≥
Resistance to impact			EN 12691	mm	2000	≥
Resistance to static loading			EN 12730 (A)	kg	20	≥
Static puncture	Resistance	Move	EN ISO 12236	kN	2.80	2.5
				mm	50	40
Dimensional stability			EN 1107-1	%	0.3	≤
Water vapour transmission properties			EN 1931	-	μ=20000	
Watertightness	New		EN 1928	-	waterproof	under 60 kPa
	After ageing acc.to EN 1296			-	waterproof	
Reaction to fire			EN 13501-1	-	F	
Water permeability			EN 14150	m ³ /m ² /j	1.10 ⁻⁷	<
Gas permeability			ASTM D 1434-82	m ³ /(m ² .j.atm)	2.10 ⁻⁴	<
Dangerous substances consult : http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm				-	-	None
Durability						
Oxidation	Tensile strength according to EN 12 311-1, retained tensile strength according to EN 1226	Maximum tensile strength	EN 14575	%	100	75
		Elongation			100	75
Weathering		Maximum tensile strength	EN 12224	%	100	75
		Elongation			100	75

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

