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1876901
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Courchelettes
(59-France)
Technical ref:
FT AXTER
ES2 ASTM

PRODUCT DATA SHEET

COLETANCHE ES 2



DESCRIPTION

COLETANCHE ES 2 is an SBS elastomeric modified bituminous geomembrane.

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.

Product use must be validated by Axter

APPLICATION METHOD

By torch welding or other similar technique.

STORAGE

Rolls must not be stored directly on the ground. Provide suitable supports (blocks, slides, wooden planks) with a minimum height of 1.2 ft to be placed under the ends of the mandrel.

COMPOSITION

(indicative)

Reinforcement (oz/yd ²) :	Glass mat	1.5
Reinforcement (oz/yd ²) :	Non-woven geotextile	7.4
Binder (oz/yd ²) :	Elastomeric SBS	126.8
Surface finish (oz/yd ²) :	Sand	7.4
Under surface finish (oz/yd ²) :	Polyester antirroot film	0.4

CHARACTERISTICS

		STANDARD	UNITS	AVERAGE	Minimum
Dimensions	Length	-	ft	262	259
	Width		ft	16.7	16.4
Thickness (on finished product)		ASTM D 5199	mils	157	142
Surface mass		ASTM D 3776	oz/yd ²	143	127
Resistance to tearing	Longitudinal	ASTM D 4073	lbf	185	139
	Cross direction			157	118
Tensile properties : maximum tensile strength	Longitudinal	ASTM D 7275	lbf/in.	154	116
	Cross direction			137	86
Tensile properties : elongation	Longitudinal		%	50	35
	Cross direction			50	35
Static Puncture		ASTM D 4833	lbf	119	107
Flexibility at low temperature	Longitudinal	ASTM D 5147	°F	-4	5
	Cross direction			-4	5
Water permeability (liquid tightness)		ASTM E 96	m/s	6.10 ⁻¹⁴	<
Gas permeability (gas tightness)		ASTM D 1434-82	m ³ /(m ² .j.atm)	2.10 ⁻⁴	<

NOTE: AXTER COLETANCHE INC. may modify the composition and/or utilisation of its products without prior notice. Consequently orders will be filled according to the latest specification.

