COLETANCHE®
by AXTER

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PRODUCT DATA SHEET

COLETANCHE ES 3

DESCRIPTION

COLETANCHE ES 3 is an SBS elastomeric modified bituminous geomembrane.

USE

Extreme level of mechanical resistance, for use as environmental protection and groundworks waterproofing, in particular :
- Railways, directly under ballast,
- Dams,

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 35 cm to be placed under the ends of the mandrel.

COMPOSITION   (indicative)

Reinforcement (g/m²) :	Glass mat	50
Reinforcement (g/m²) :	Non-woven geotextile	300
Binder (g/m²) :	Elastomeric SBS	4800
Surface finish (g/m²) :	Sand	250
Under surface finish (g/m²) :	Polyester antiroot film	15

CHARACTERISTICS

		STANDARD	UNITS	AVERAGE	Min
Dimensions	Length	-	m	65	64
	Width		m	5.10	5.01
Thickness (on finished product)		ASTM D 5199	mm	4.80	*4.20*
Surface mass		ASTM D 3776	kg/m²	5.80	*5.00*
Resistance to tearing	Longitudinal	ASTM D 4073	N	950	*713*
	Cross direction			850	*638*
Tensile properties : maximum tensile strength	Longitudinal	ASTM D 7275	kN/m	33	*24.8*
	Cross direction			29	*21.8*
Tensile properties : elongation	Longitudinal		%	50	*35*
	Cross direction			50	*35*
Static Puncture		ASTM D 4833	N	570	*513*
Flexibility at low temperature	Longitudinal	ASTM D 5147	°C	-20	-15
	Cross direction			-20	-15
Water permeability (liquid tightness)		ASTM E 96	m/s	6.10^{-14}	
Gas permeability (gas tightness)		ASTM D 1434-82	m³/m²/j/atm	< 3.10^{-14}	

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.