

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

### COMPOSITION

(indicative)

Reinforcement (g/m <sup>2</sup> ) : Glass mat	50
Reinforcement (g/m <sup>2</sup> ) : Non-woven geotextile	250
Binder (g/m <sup>2</sup> ) : Elastomeric SBS	4300
Surface finish (g/m <sup>2</sup> ) : Sand	250
Under surface finish (g/m <sup>2</sup> ) : Polyester antirroot film	15

### CHARACTERISTICS

		STANDARD	UNITS	AVERAGE	Minimum
Dimensions	Length	-	m	80	79
	Width		m	5.10	5.01
Thickness (on finished product)		ASTM D 5199	mm	4.00	3.60
Surface mass		ASTM D 3776	kg/m <sup>2</sup>	4.85	4.30
Resistance to tearing	Longitudinal	ASTM D 4073	N	825	619
	Cross direction			700	525
Tensile properties : maximum tensile strength	Longitudinal	ASTM D 7275	kN/m	27	20.3
	Cross direction			24	15
Tensile properties : elongation	Longitudinal		%	60	45
	Cross direction			60	45
Static Puncture		ASTM D 4833	N	530	477
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 <sup>-14</sup>	<
Gas permeability (gas tightness)		ASTM D 1434-82	m <sup>3</sup> /(m <sup>2</sup> .j.atm)	2.10 <sup>-4</sup>	<

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.

