

## PRODUCT DATA SHEET

### COLETANCHE ES 2

#### DESCRIPTION

COLETANCHE ES 2 is an SBS elastomeric modified bituminous geomembrane with Ring and Ball melting point of 115°C (According to EN 1427)

#### USE

Moderate level of mechanical resistance, for use as 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 antiroot film	15

#### CHARACTERISTICS

		STANDARD	UNITS	AVERAGE	Minimum
Dimensions	Length	EN 1848-1	m	80	79
	Width		m	5.10	5.01
Thickness (on finished product)		EN 1849-1	mm	4.00	3.60
Surface mass		EN 1849-1	kg/m <sup>2</sup>	4.85	4.30
Tensile properties : maximum tensile strength	Longitudinal	EN 12311-1	N/50 mm	1200	850
	Cross direction			1000	700
Tensile properties : elongation	Longitudinal	EN 12311-1	%	45	30
	Cross direction			45	30
Flexibility at low temperature		EN 1109	°C	-20	-16
Static Puncture	Resistance	EN ISO 12236	kN	3.5	3
	Move		mm	50	40
Water permeability (liquid tightness)		EN 14150	m <sup>3</sup> /m <sup>2</sup> /j	1.10 <sup>-7</sup>	<
Gas permeability (gas tightness)		ASTM D 1434-82	m <sup>3</sup> /(m <sup>2</sup> .j.atm)	2.10 <sup>-4</sup>	<
Dangerous substances consult : <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	

#### Durability

		STANDARD	UNITS	AVERAGE	Minimum
Oxidation	Tensile strength according to EN 12311-1	EN 14575	%	100	75
	Maximum tensile strength			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.

