

PRODUCT DATA SHEET

COLETANCHE ES 3

DESCRIPTION

COLETANCHE ES 3 is an SBS elastomeric modified bituminous geomembrane with Ring and Ball melting point of 115°C (according to EN 1427)

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/m ²) :	Glass mat	50
Reinforcement (g/m ²) :	Non-woven geotextile	300
Binder (g/m ²) :	Elastomeric SBS	4800
Surface finish (g/m ²) :	Sand	250
Under surface finish (g/m ²) :	Polyester antiroot film	15

CHARACTERISTICS

		STANDARD	UNITS	AVERAGE	Min
Dimensions	Length	EN 1848-1	m	65	64
	Width		m	5,10	5,01
Thickness (on finished product)		EN 1849-1	mm	4,80	4,20
Surface mass		EN 1849-1	kg/m ²	5,80	5,00
Tensile properties : maximum tensile strength	Longitudinal	EN 12311-1	N/50 mm	1400	1000
	Cross direction			1200	850
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	3,9	3,2
	Move		mm	50	40
Water permeability (liquid tightness)		EN 14150	m ³ /m ² .j	1.10 ⁻⁷	<
Gas permeability (gas tightness)		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 12311-1	Maximum tensile strength	EN 14575	%	100
		Elongation			100
Weathering	retained tensile strength according to EN 12226	Maximum tensile strength	EN 12224	%	100
		Elongation			100

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

