

Product data sheet

COLETANCHE XP3

Description

Coletanche XP3 is an elastomeric modified bituminous geomembrane.

Use

Extreme level of mechanical constraints, exposed or covered (puncturing materials, thick cover layer, high pressures). For example:

- Mining and industrial waste storage facilities,
- Bottom of landfill cells,
- Deep hydraulic ponds,
- Dams.

The product use must be validated by consultation.

Application method

By torch welding or other similar process.

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:	Geotextile	250 g/m ²
Reinforcement:	-	-
Binder:	Elastomeric bitumen	4350 g/m ²
Surface finish:	Sand	250 g/m ²
Underside finish:	Silicone coated film	15 g/m ²

Characteristics

		Standards	Units	Average	Minimum
Dimensions	Length	-	m	80	79
	Width		m	5.10	5.01
Thickness (on finished product)		ASTM D5199	mm	3.70	3.50
Surface mass		ASTM D5261	kg/m ²	4.90	4.50
Tear resistance	Longitudinal direction	ASTM D4073	N	800	700
	Cross direction			750	650
Tensile properties: Strength	Longitudinal direction	ASTM D7275	kN/m	26	20
	Cross direction			22	18
Tensile properties: Elongation	Longitudinal direction		%	40	30
	Cross direction			40	30
Static puncture		ASTM D4833	N	580	500
Flexibility at low temperature	Longitudinal direction	ASTM D5147	°C	-20	-15
	Cross direction			-20	-15
Water permeability		ASTM E96	m/s	6.10 ⁻¹⁴	<
Gas permeability		ASTM D1434-82	m ³ /(m ² .d.atm)	2.10 ⁻⁴	<

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