

Product data sheet

COLETANCHE XP4 HFA

Description

Coletanche XP4 HFA is an elastomeric modified bituminous geomembrane.

Use

Extreme level of mechanical constraints, exposed or covered (aggressive materials, reinforced precautions). For example:

- Storage of harmful waste,
- Large dams,
- Railways (use directly under ballast),
- Railway bridges.

The membrane has the same friction angle on both sides.

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	300 g/m ²
Reinforcement:	-	-
Binder:	Elastomeric bitumen	5000 g/m ²
Surface finish:	Sand	250 g/m ²
Underside finish:	Peel-off silicone coated film	40 g/m ²

Characteristics

		Standards	Units	Average	Minimum
Dimensions	Length	-	m	65	64
	Width		m	5.10	5.01
Thickness (on finished product)		ASTM D5199	mm	4.20	4.00
Surface mass		ASTM D5261	kg/m ²	5.50	5.10
Tear resistance	Longitudinal direction	ASTM D4073	N	900	800
	Cross direction			850	750
Tensile properties: Strength	Longitudinal direction	ASTM D7275	kN/m	28	24
	Cross direction			26	22
Tensile properties: Elongation	Longitudinal direction		%	40	30
	Cross direction			40	30
Static puncture		ASTM D4833	N	650	600
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.