

## Product data sheet

### COLETANCHE XP1 HFA

#### Description

Coletanche XP1 HFA is an elastomeric modified bituminous geomembrane.

#### Use

Low level of mechanical constraints, exposed or covered limiting risks of puncture and tensile stresses. For example:

- Landfill and waste capping,
- Shallow hydraulic ponds,
- Ditches.

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	175 g/m <sup>2</sup>
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Binder:	Elastomeric bitumen	3800 g/m <sup>2</sup>
Surface finish:	Sand	250 g/m <sup>2</sup>
Underside finish:	Peel-off silicone coated film	40 g/m <sup>2</sup>

#### Characteristics

		Standards	Units	Average	Minimum
Dimensions	Length	-	m	100	99
	Width		m	5.10	5.01
Thickness (on finished product)		ASTM D5199	mm	3.20	3.00
Surface mass		ASTM D5261	kg/m <sup>2</sup>	4.30	3.90
Tear resistance	Longitudinal direction	ASTM D4073	N	600	500
	Cross direction			500	400
Tensile properties: Strength	Longitudinal direction	ASTM D7275	kN/m	19	15
	Cross direction			16	12.6
Tensile properties: Elongation	Longitudinal direction		%	40	30
	Cross direction			40	30
Static puncture		ASTM D4833	N	430	390
Flexibility at low temperature	Longitudinal direction	ASTM D5147	°C	-20	-15
	Cross direction			-20	-15
Water permeability		ASTM E96	m/s	6.10 <sup>-14</sup>	<
Gas permeability		ASTM D1434-82	m <sup>3</sup> /(m <sup>2</sup> .d.atm)	2.10 <sup>-4</sup>	<

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