

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 1.2 ft to be placed under the ends of the mandrel.

Composition (indicative)

Reinforcement:	Geotextile	5.2 oz/yd ²
Reinforcement:	-	-
Binder:	Elastomeric bitumen	112.1 oz/yd ²
Surface finish:	Sand	7.4 oz/yd ²
Underside finish:	Peel-off silicone coated film	1.2 oz/yd ²

Characteristics

		Standards	Units	Average	Minimum
Dimensions	Length	-	ft	328	325
	Width		ft	16.70	16.40
Thickness (on finished product)		ASTM D5199	mil	126.00	118.10
Surface mass		ASTM D5261	oz/yd ²	126.80	115.00
Tear resistance	Longitudinal direction	ASTM D4073	lbf	135	112
	Cross direction			112	90
Tensile properties: Strength	Longitudinal direction	ASTM D7275	lbf/in	108	86
	Cross direction			91	72
Tensile properties: Elongation	Longitudinal direction		%	40	30
	Cross direction			40	30
Static puncture		ASTM D4833	lbf	97	88
Flexibility at low temperature	Longitudinal direction	ASTM D5147	°F	-4	5
	Cross direction			-4	5
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.