

Product data sheet

COLETANCHE ES2 HFA

Description

Coletanche ES2 HFA is an elastomeric modified bituminous geomembrane.

Use

Moderate level of mechanical constraints, exposed or covered (allow hot asphalt mixes). For example:

- Landfill and waste capping, biogas barriers,
- Methanisation units, industrial platforms,
- Hydraulic, mining and industrial ponds,
- Canals.

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	7.4 oz/yd ²
Reinforcement:	Glass fleece	1.5 oz/yd ²
Binder:	Elastomeric bitumen	126.8 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	262	259
	Width		ft	16.70	16.40
Thickness (on finished product)		ASTM D5199	mil	157.50	141.70
Surface mass		ASTM D5261	oz/yd ²	143.00	126.80
Tear resistance	Longitudinal direction	ASTM D4073	lbf	185	139
	Cross direction			157	118
Tensile properties: Strength	Longitudinal direction	ASTM D7275	lbf/in	154	116
	Cross direction			137	86
Tensile properties: Elongation	Longitudinal direction		%	60	45
	Cross direction			60	45
Static puncture		ASTM D4833	lbf	119	107
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.