

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 35 cm to be placed under the ends of the mandrel.

Composition (indicative)

Reinforcement:	Geotextile	250 g/m ²
Reinforcement:	Glass fleece	50 g/m ²
Binder:	Elastomeric bitumen	4300 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	80	79
	Width		m	5.10	5.01
Thickness (on finished product)		ASTM D5199	mm	4.00	3.60
Surface mass		ASTM D5261	kg/m ²	4.85	4.30
Tear resistance	Longitudinal direction	ASTM D4073	N	825	619
	Cross direction			700	525
Tensile properties: Strength	Longitudinal direction	ASTM D7275	kN/m	27	20.3
	Cross direction			24	15
Tensile properties: Elongation	Longitudinal direction		%	60	45
	Cross direction			60	45
Static puncture		ASTM D4833	N	530	477
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.