

Rue Joseph Coste 59 552 Courchelettes - FRANCE WWW.COLETANCHE.COM



Update 22/01/2024

Cancel and replace 03/10/2024

Code 1876M01

Origin Courchelettes (FR)

Technical Ref. FT COLETANCHE ASTM

Product data sheet

COLETANCHE ES2

Description

Coletanche ES2 is an elastomeric modified bituminous geomembrane.

Use

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

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

The product use must be validated by consultation.

Application method

By torch welding or other similar technique.

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.

Characteristics

Reinforcement:	Geotextile	250	g/m²	
Reinforcement:	Glass fleece	50	g/m²	
Binder:	Elastomeric bitumen	4300	g/m²	
Surface finish:	Sand	250	g/m²	
Underside finish:	Silicone coated film	15	g/m²	

		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/m²	4,85	4,30
Teer recietores	Longitudinal direction	— ASTM D4073	N	825	619
Tear resistance	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	Surface	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	m³/(m².d.atm)	2.10-4	<

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