

Rue Joseph Coste 59 552 Courchelettes - FRANCE

WWW.COLETANCHE.COM



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Cancel and replace 03/10/2024

Code 1877M01

Origin Courchelettes (FR)

Technical Ref. FT COLETANCHE ASTM

**Product data sheet** 

# **COLETANCHE ES3**

## Description

Coletanche ES3 is an elastomeric modified bituminous geomembrane.

#### Use

Extreme level of mechanical constraints, exposed or covered (puncturing materials, thick cover layer, high pressures). For example:

- Mining and industrial waste storage facilities,
- Bottom of landfill cells,
- Deep hydraulic ponds,
- Dams.

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	300	g/m²	
Reinforcement:	Glass fleece	50	g/m²	
Binder:	Elastomeric bitumen	4800	g/m²	
Surface finish:	Sand	250	g/m²	
<b>Underside finish:</b>	Silicone coated film	15	g/m²	

		Standards	Units	Average	Minimum
Dimensions	Length		m	65	64
	Width	-	m	5,10	5,01
Thickness (on finished product)		ASTM D5199	mm	4,80	4,20
Surface mass		ASTM D5261	kg/m²	5,80	5,00
Teer recietores	Longitudinal direction	— ASTM D4073	N	950	713
Tear resistance	Cross direction			850	638
Tensile properties: Strength	Longitudinal direction	ASTM D7275	kN/m %	33	24,8
	Cross direction			29	21,8
Tanaila nuonautias. Elamatian	Longitudinal direction			60	45
Tensile properties: Elongation	Cross direction			60	45
Static puncture	Surface	ASTM D4833	N	570	513
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	m³/(m².d.atm)	2.10-4	<

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