

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



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Cancel and replace 03/10/2024

Code 1875M01

Origin Courchelettes (FR)

Technical Ref. FT COLETANCHE ASTM

## **Product data sheet**

# **COLETANCHE ES1**

## Description

Coletanche ES1 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 tip capping,
- Shallow hydraulic ponds,
- Ditches.

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	200	g/m²	
Reinforcement:	Glass fleece	50	g/m²	
Binder:	Elastomeric bitumen	3800	g/m²	
Surface finish:	Sand	250	g/m²	
Underside finish:	Silicone coated film	15	g/m²	

		Standards	Units	Average	Minimum
Dimensions	Length		m	100	99
	Width		m	5,10	5,01
Thickness (on finished product)		ASTM D5199	mm	3,50	3,10
Surface mass		ASTM D5261	kg/m²	4,20	3,70
Tana manintanan	Longitudinal direction	— ASTM D4073	N	750	563
Tear resistance	Cross direction			500	375
Tamaila muamantia a Ctuamath	Longitudinal direction	ASTM D7275	kN/m %	22	16,5
Tensile properties: Strength	Cross direction			18	13,5
Tensile properties: Elongation	Longitudinal direction			60	45
	Cross direction			60	45
Static puncture	Surface	ASTM D4833	N	450	405
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	m <sup>3</sup> /(m <sup>2</sup> .d.atm)	2.10-4	<

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