

PRODUCT DATA SHEET

COLETANCHE ES 1 HFA



DESCRIPTION

COLETANCHE ES 1 HFA is an SBS elastomeric modified bituminous geomembrane.

USE

Very low level of mechanical constraints, covered with top soil, for use an environmental protection and groundworks waterproofing, in particular :

- Low water basin,
- Ditches,
- Landfill covers,
- Waste tip covers.

The membrane has the same friction angle on both sides.

Product use must be validated by Axter.

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 1.2 ft to be placed under the ends of the mandrel.

COMPOSITION

(indicative)

Reinforcement (oz/yd ²) :	Glass mat	1.5
Reinforcement (oz/yd ²) :	Non-woven geotextile	5.9
Binder (oz/yd ²) :	Elastomeric SBS	112.1
Surface finish (oz/yd ²) :	Sand	7.4
Under surface finish (oz/yd ²) :	Peel-off silicone film	1.2

CHARACTERISTICS

		STANDARD	UNITS	AVERAGE	Min
Dimensions	Length	-	ft	328	325
	Width		ft	16.7	16.4
Thickness (on finished product)		ASTM D 5199	mils	138	122
Mass per Unit Area		ASTM D 3776	oz/yd ²	124	109
Resistance to tearing	Longitudinal	ASTM D 4073	lbf	169	127
	Cross direction			112	84
Tensile properties : maximum tensile strength	Longitudinal	ASTM D 7275	lbf/in.	126	94
	Cross direction			103	77
Tensile properties : elongation	Longitudinal	ASTM D 7275	%	60	45
	Cross direction			60	45
Static Puncture		ASTM D 4833	lbf	101	91
Flexibility at low temperature	Longitudinal	ASTM D 5147	°F	-4	5
	Cross direction			-4	5
Water permeability (liquid tightness)		ASTM E 96	m/s	6.10 ⁻¹⁴	<
Gas permeability (gas tightness)		ASTM D 1434-82	m ³ /(m ² .j.atm)	2.10 ⁻⁴	<

NOTE: AXTER COLETANCHE INC. may modify the composition and/or utilisation of its products without prior notice. Consequently orders will be filled according to the latest specification.

