

PRODUCT DATA SHEET

COLETANCHE ES 2 HFA



DESCRIPTION

COLETANCHE ES 2 HFA is an SBS elastomeric modified bituminous geomembrane.

USE

Moderate level of mechanical resistance, for use an environmental protection and groundworks waterproofing, in particular :

- To cover landfill,
- Hydraulic ponds,
- Containment of Industrial liquid wastes,
- Canals ,
- Contaminated land.

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

COMPOSITION

(indicative)

Reinforcement (g/m ²) :	Glass mat	50
Reinforcement (g/m ²) :	Non-woven geotextile	250
Binder (g/m ²) :	Elastomeric SBS	4300
Surface finish (g/m ²) :	Sand	250
Under surface finish (g/m ²) :	Peel-off silicone film	40

CHARACTERISTICS

		STANDARD	UNITS	AVERAGE	Minimum
Dimensions	Length	-	m	80	79
	Width		m	5.10	5.01
Thickness (on finished product)		ASTM D 5199	mm	4.00	3.60
Surface mass		ASTM D 3776	kg/m ²	4.85	4.30
Resistance to tearing	Longitudinal	ASTM D 4073	N	825	619
	Cross direction			700	525
Tensile properties : maximum tensile strength	Longitudinal	ASTM D 7275	kN/m	27	20.3
	Cross direction			24	15
Tensile properties : elongation	Longitudinal		%	50	35
	Cross direction			50	35
Static Puncture		ASTM D 4833	N	530	477
Flexibility at low temperature	Longitudinal	ASTM D 5147	°C	-20	-15
	Cross direction			-20	-15
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	< 3.10 ⁻¹⁴	

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.

