

PRODUCT DATA SHEET

COLETANCHE ES 2 HFA

DESCRIPTION

COLETANCHE ES 2 HFA is an SBS elastomeric modified bituminous geomembrane with Ring and Ball melting point of 115°C (According to EN 1427).

USE

Moderate level of mechanical resistance, for use as 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	MOYENNE	Minimum
Dimensions	Length	EN 1848-1	m	80	79
	Width		m	5.10	5.01
Thickness (on finished product)		EN 1849-1	mm	4.00	3.60
Surface mass		EN 1849-1	kg/m ²	4.85	4.30
Tensile properties : maximum tensile strength	Longitudinal	EN 12311-1	N/50 mm	1200	850
	Cross direction			1000	700
Tensile properties : elongation	Longitudinal	EN 12311-1	%	45	30
	Cross direction			45	30
Flexibility at low temperature		EN 1109	°C	-20	-16
Static Puncture	Resistance	EN ISO 12236	kN	3.5	3
	Move		mm	50	40
Water permeability (liquid tightness)		EN 14150	m ³ /m ² .j	1.10 ⁻⁷	<
Gas permeability (gas tightness)		ASTM D 1434-82	m ³ /(m ² .j.atm)	2.10 ⁻⁴	<
Dangerous substances consult : http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm		-	-	None	
Durability					
Oxidation	Tensile strength according to EN 12311-1	EN 14575	%	100	75
				Maximum tensile strength Elongation	100
Weathering	retained tensile strength according	EN 12224	%	100	75
				Maximum tensile strength Elongation	100

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

