

Product data sheet

COLETANCHE XP2 HFA

Description

Coletanche XP2 HFA is an elastomeric modified bituminous geomembrane.

Use

Moderate level of mechanical constraints, exposed or covered (allow hot asphalt mixes). For example:

- Landfill and waste capping, biogas barriers,
- Methanisation units, industrial platforms,
- Hydraulic, mining and industrial ponds,
- Canals.

The membrane has the same friction angle on both sides.

The product use must be validated by consultation.

Application method

By torch welding or other similar process.

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:	Geotextile	200 g/m ²
Reinforcement:		-
Binder:	Elastomeric bitumen	3800 g/m ²
Surface finish:	Sand	250 g/m ²
Underside finish:	Peel-off silicone coated film	40 g/m ²

Characteristics

		Standards	Units	Average	Minimum
Dimensions	Length	EN 1868-1	m	100	99
	Width		m	5,10	5,01
Thickness (on finished product)		EN 1869-1	mm	3,20	3,00
Surface mass		EN 1869-1	kg/m ²	4,30	3,90
Tensile properties: Strength	Longitudinal direction	EN 12311-1	N/50 mm	1100	880
	Cross direction			900	700
Tensile properties: Elongation	Longitudinal direction		%	35	25
	Cross direction			35	25
Flexibility at low temperature		EN 1109	°C	-20	-16
Static puncture	Resistance	EN ISO 12236	kN	3	2,6
	Displacement		mm	50	40
Water permeability		EN 14150	m ³ /m ² /d	1.10 ⁻⁶	<
Gas permeability		ASTM D1434-82	m ³ /(m ² .d.atm)	2.10 ⁻⁴	<
Dangerous substances according to the database "Dangerous substances" available on: http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm		-	-	None	-

Durability

Oxidation	Tensile strength according to EN 12311-1	Maximum strength	EN 14575	%	100	75
		Maximum elongation			100	75
Weathering	Residual value according to EN 12226	Maximum strength	EN 12224	%	100	75
		Maximum elongation			100	75