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1879002
Origin
Courchelettes (FR)
Technical Ref.
FT COLETANCHE CE

Product data sheet

COLETANCHE XP1

Description

Coletanche XP1 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 capping,
- Shallow hydraulic ponds,
- Ditches.

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	175 g/m²
Reinforcement:		-
Binder:	Elastomeric bitumen	3800 g/m²
Surface finish:	Sand	250 g/m²
Underside finish:	Silicone coated film	15 g/m²

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/m²	4,30	*3,90*
Tensile properties: Strength	Longitudinal direction	EN 12311-1	N/50 mm	950	*750*
	Cross direction			800	*630*
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	2,7	*2,4*
	Displacement		mm	50	*40*
Water permeability		EN 14150	m³/m²/d	1.10^{-6}	<
Gas permeability		ASTM D1434-82	m³/(m².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*