

## Product data sheet

### COLETANCHE XP3 HFA

#### Description

Coletanche XP3 HFA is an elastomeric modified bituminous geomembrane.

#### Use

Extreme level of mechanical constraints, exposed or covered (puncturing materials, thick cover layer, high pressures). For example:

- Mining and industrial waste storage facilities,
- Bottom of landfill cells,
- Deep hydraulic ponds,
- Dams.

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	250 g/m <sup>2</sup>
Reinforcement:		-
Binder:	Elastomeric bitumen	4350 g/m <sup>2</sup>
Surface finish:	Sand	250 g/m <sup>2</sup>
Underside finish:	Peel-off silicone coated film	40 g/m <sup>2</sup>

#### Characteristics

		Standards	Units	Average	Minimum
Dimensions	Length	EN 1868-1	m	80	79
	Width		m	5,10	5,01
Thickness (on finished product)		EN 1869-1	mm	3,70	3,50
Surface mass		EN 1869-1	kg/m <sup>2</sup>	4,90	4,50
Tensile properties: Strength	Longitudinal direction	EN 12311-1	N/50 mm	1250	1000
	Cross direction			1090	900
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	3,9	3,2
	Displacement		mm	50	40
Water permeability		EN 14150	m <sup>3</sup> /m <sup>2</sup> /d	1.10 <sup>-6</sup>	<
Gas permeability		ASTM D1434-82	m <sup>3</sup> /(m <sup>2</sup> .d.atm)	2.10 <sup>-4</sup>	<
Dangerous substances according to the database "Dangerous substances" available on: <a href="http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm">http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm</a>		-	-	None	-
<b>Durability</b>					
Oxidation	Tensile strength according to EN 12311-1	EN 14575	%	100	75
				Maximum elongation	100
Weathering	Residual value according to EN 12226	EN 12224	%	100	75
				Maximum elongation	100