

# Technical Data Sheet

## COLETANCHE SC 1 Geomembranes

<b>Presentation</b>	COLETANCHE SC1 is an SBS elastomeric modified bitumen geomembrane.
<b>Utilisation</b>	<p>Coletanche geomembranes are designed for use in a wide range of environmental protection and groundworks waterproofing applications.</p> <p>Coletanche SC 1 is has a very low level of mechanical restraint. It is covered with top soil and there is no risk of puncture or tension. It is suitable for:</p> <ul style="list-style-type: none"><li>Gutters</li><li>Curved gutters</li></ul> <p>Other uses of this product must be validated by Axter.</p>
<b>Mise en oeuvre</b>	By torch welding or similar technique.
<b>Stockage</b>	Rolls must not be stored directly on the ground. Provide suitable supports (blocks, slides, wooden planks) with a minimum height of 35cm, to be placed under the ends of the mandrel.
<b>Composition</b>	Indicative. See below.

<b>Reinforcement (g/m<sup>2</sup>) :</b>	Non-woven geotextile	200
<b>Binder (g/m<sup>2</sup>) :</b>	Elastomeric SBS	3800
<b>Surface finish (g/m<sup>2</sup>) :</b>	Sand	250
<b>Under surface finish</b>	Polyester anti-root film	15

Characteristics		Standards (BS)	Units	Values	Min Tolerance	
<b>Dimensions</b>	Length	EN 1848-1	m	140	139	
	Width		m	5.10	5.00	
	Nominal roll weight	EN 1849-1	kg	1808		
	Thickness (on finished product)	EN 1849-1	mm	2.20	2.00	
	Surface mass	EN 1849-1	mm	2.50	2.20	
<b>Tensile properties: maximum tensile force</b>	Longitudinal	EN 12311-1	N/50 mm	1100	900	
	Cross direction			1000	800	
<b>Tensile properties: elongation</b>	Longitudinal	EN 12311-1	%	35	25	
	Cross direction			35	25	
<b>Flexibility at low temperature</b>		EN 1109	°C	-16	≤	
<b>Static Puncture</b>	Resistance	EN ISO 12236	kN	2.7	2.4	
	Move		mm	35	30	
<b>Water permeability (liquid tightness)</b>		EN 14150	m <sup>3</sup> /m <sup>2</sup> /j	<1.10 <sup>-6</sup>	<	
<b>Gas permeability (gas tightness)</b>		ASTM D 1434-82	m <sup>3</sup> /m <sup>2</sup> /j/atm	<2.10 <sup>-14</sup>	<	
<b>Dangerous substances consult : <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></b>				None		
<b>Durability</b>						
<b>Oxidation</b>	Tensile strength according to EN 12311-1 retained tensile strength according to EN 12226	Maximum tensile strength	EN 14575	%	100	75
		Elongation			100	75
<b>Weathering</b>		Maximum tensile strength	EN 12224	%	100	75
		Elongation			100	75

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