

COLETANCHE ES 2

DESCRIPTION

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

USE

Moderate level of mechanical resistance, for use an environmental protection and groundworks waterproofing, in particular :

- To cover landfill,
- Hydraulic ponds,
- Containment of Industrial liquid wastes,
- Canals ,
- Contaminated land.

Product use must be validated by Axter

APPLICATION METHOD

Torched

STORAGE

Rolls must not be stored directly on the ground. They must be supported on concrete blocks, trestles, or timber beams, min 35 cm height, placed under the mandrel ends.

COMPOSITION

(indicative)

Reinforcement (gm/m ²) :	Glass mat	50
Reinforcement (gm/m ²) :	Non-woven geotextile	250
Binder (gm/m ²) :	Elastomeric SBS	4310
Surface finish (gm/m ²) :	Sand	217
Under surface finish (gm/m ²) :	Polyester antiroot film	15

CHARACTERISTICS

	STANDARD	UNITS	VALUES	Tolerance	
				Min	Max
Dimensions	EN 1848-1	Length	79	≥	
		Width	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	
Resistance to tearing (nail shank)	EN 12310-1	Longitudinal	400	300	-
		Cross direction	500	400	-
Tensile properties : maximum tensile strength	EN 12311-1	Longitudinal	1200	850	
		Cross direction	1000	700	
Tensile properties : elongation	EN 12311-1	Longitudinal	55	40	
		Cross direction	55	40	
Flexibility at low temperature	EN 1109	Surface	-20	≤	
		Under surface	-20	≤	
Static Puncture	EN ISO 12236	Resistance	3.5	3	
		Move	50	40	
Water permeability (liquid tightness)	EN 14150	l/m ²	<0.1		
Gas permeability (gas tightness)	ASTM D 1434	cm ³ /(m ² .24h/atm)	<137		
Dangerous substances consult : http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm	-	-	None		
Durability					
Oxidation	EN 14575	Tensile strength according to EN 12311-1	100	75	
		Elongation	100	75	
Weathering	EN 12224	Maximum tensile strength	in progress	-	-
		Elongation	in progress	-	-
Root penetration	EN 14416	-	Pass		

NA=not applicable due to use of product.
NPD : No performance determined

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