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Cancels and replace 12/06/2018

Code:

1878M01

Manufacture source

Courchelettes (59-France)

Technical ref: FT AXTER ES4 ASTM

COLETANCHE ES 4

PRODUCT DATA SHEET



DESCRIPTION

COLETANCHE ES 4 is an SBS elastomeric modified bituminous geomembrane.

Extreme level of mechanical resistance, for use as environmental protection and underground works waterproofing (aggressive materials, reinforced precautions), in particular:

- Railways, directly under ballast,
- Dams,

Product use must be validated by Axter.

APPLICATION METHOD

By torch welding or other similar technique.

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 (g/m²): Glass mat	50
Reinforcement (g/m²): Non-woven geotextile	400
Binder (g/m²): Elastomeric SBS	5400
Surface finish (g/m²): Sand	250
Under surface finish (g/m²): Polyester antiroot film	15

CHARACTERISTICS					11/50105	
			STANDARD	UNITS	AVERAGE	Min
Dimensions	L	ength		m	55	54
Diffierisions	V	Vidth	-	m	5.10	5.01
Thickness (on finished product)			ASTM D 5199	mm	5.60	4.80
Surface mass			ASTM D 3776	kg/m²	6.40	5.90
Decistores to tooring	L	ongitudinal	ASTM D 4073	N	1225	919
Resistance to tearing	C	Cross direction			1025	769
Tensile properties : maximum tensile strength	L	ongitudinal	ASTM D 7275	LAI/	35	29.2
	C	Cross direction		kN/m	30	23.2
Tensile properties :	L	ongitudinal		%	60	45
elongation	C	Cross direction			60	45
Static Puncture		ASTM D 4833	N	650	585	
Flexibility at low temperature	Longitudinal		ASTM D 5147	°C	-20	-15
	Cross direction	Cross direction			-20	-15
Water permeability (liquid tightness)		ASTM E 96	m/s	6.10 ⁻¹⁴	<	
Gas permeability (gas tightness)			ASTM D 1434-82	m³/(m².j.atm)	2.10 ⁻⁴	<

NOTE: AXTER COLETANCHE INC. may modify the composition and/or utilisation of its products without prior notice. Consequently orders will be filled according to the latest specification.





