

# PRODUCT DATA SHEET

## COLETANCHE XP4 HFA

### DESCRIPTION

COLETANCHE XP4 HFA is an SBS elastomeric modified bituminous geomembrane.

### USE

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

- Railways, directly under ballast,
- Dams.

The geomembrane has the same friction angle on both sides.

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. TProvide suitable supports (blocks, slides, wooden planks) with a minimum height of 1.2 ft to be placed under the ends of the mandrel.

### COMPOSITION

(indicative)

Reinforcement (oz/yd <sup>2</sup> ) :	Geotextile	8,8
Binder (oz/yd <sup>2</sup> ) :	Elastomeric SBS	147,5
Surface finish (oz/yd <sup>2</sup> ) :	Sand	7,4
Under surface finish (oz/yd <sup>2</sup> ) :	Peel-off siliconed film	1,2

### CHARACTERISTICS

		STANDARD	UNITS	VALUES	Min
Dimensions	Length	-	ft	213	210
	Width		ft	16,7	16,4
Thickness (on finished product)		ASTM D 5199	mils	165	157
Surface mass		ASTM D 3776	oz/yd <sup>2</sup>	162	150
Resistance to tearing	Longitudinal	ASTM D 4073	lbf	202	180
	Cross direction			191	169
Tensile properties : maximum tensile strength	Longitudinal	ASTM D 7275	lbf/in.	160	137
	Cross direction			148	126
Tensile properties : elongation	Longitudinal		%	40	30
	Cross direction			40	30
Static Puncture		ASTM D 4833	lbf	146	135
Flexibility at low temperature	Longitudinal	ASTM D 5147	°F	-4	5
	Cross direction			-4	5
Water permeability (liquid tightness)		ASTM E 96	m/s	6.10 <sup>-14</sup>	<
Gas permeability (gas tightness)		ASTM D 1434-82	m <sup>3</sup> /(m <sup>2</sup> .j.atm)	2.10 <sup>-4</sup>	<

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.

