

PRODUCT DATA SHEET

COLETANCHE XP3 HFA

DESCRIPTION

COLETANCHE XP3 HFA is an SBS elastomeric modified bituminous geomembrane.

USE

Extreme level of mechanical resistance, for use as environmental protection and groundworks waterproofing, 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. Provide 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 ²) : | Geotextile | 7,4 |
| Binder (oz/yd ²) : | Elastomeric SBS | 128,3 |
| Surface finish (oz/yd ²) : | Sand | 7,4 |
| Under surface finish (oz/yd ²) : | Peel-off siliconed film | 1,2 |

CHARACTERISTICS

| | | STANDARD | UNITS | VALUES | Min |
|--|-----------------|----------------|---|---------------------|------|
| Dimensions | Length | - | ft | 262 | 259 |
| | Width | | ft | 16,7 | 16,4 |
| Thickness (on finished product) | | ASTM D 5199 | mils | 146 | 138 |
| Surface mass | | ASTM D 3776 | oz/yd ² | 145 | 133 |
| Resistance to tearing | Longitudinal | ASTM D 4073 | lbf | 180 | 157 |
| | Cross direction | | | 169 | 146 |
| Tensile properties : maximum tensile strength | Longitudinal | ASTM D 7275 | lbf/in. | 148 | 114 |
| | Cross direction | | | 126 | 103 |
| Tensile properties : elongation | Longitudinal | | % | 40 | 30 |
| | Cross direction | | | 40 | 30 |
| Static Puncture | | ASTM D 4833 | lbf | 130 | 121 |
| 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 ⁻¹⁴ | < |
| Gas permeability (gas tightness) | | ASTM D 1434-82 | m ³ /(m ² .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.

