

MarineGard 100 Outer Cover

Product Description

Outer cover jacket protection for the PCS MarineGard Series 100 System. A UV resistant HDPE jacket, supplied with an edge reinforcing strip and strap location markings.

Product Characteristics

- High impact strength and abrasion resistant
- Surpasses the strength of fibre reinforced plastics, polyvinyl chloride plastics and liquid coatings
- Non hardening or cracking
- Contains no volatile components
- Stable over a wide temperature range
- Accommodates vibration and movement of substrate
- High chemical resistance to mineral acids, alkalis and salts
- Individually custom made to suit each pile.

Product Uses

Designed and custom made specifically for the protection of PCS MarineGard Series 100 System, used on wharfs, pier and jetty piles. Offers mechanical protection of petrolatum systems in relatively sheltered splash and tidal zone marine environments. Used in conjunction with MarineGard support strapping.

Product Application

Refer to PCS application instructions for MarineGard Series 100 System. Install jackets with the reinforcing strip and markings located on the outside visible jacket overlap. Position and tighten MarineGard strapping to secure jacket in place in accordance with the application instructions. Once installed, no tape should be visibly protruding from under the jacket surface.

Product Properties

Property	Test Method	
Total Thickness	ASTM D1000	2.0 ± 0.1 mm
Total Weight	ASTM D751	1.88 ± 0.09 kg/m ²
Density	ASTM D1505	0.94 kg/L
Break Strength	ASTM D1000	≥55 N/mm
Elongation at Break	ASTM D1000	700%
Yield Strength	ASTM D1000	≥ 32 N/mm
Elongation at Yield	ASTM D1000	13%
Puncture Resistance	ASTM D1000	470 N
Tear Resistance – Die C	ASTM D1004	245 N
Dimensional Stability @ 85°C	ASTM D1204	±2%
Low Temperature Brittleness	ASTM D746, B	-44°C
Environmental Stress Crack	ASTM D163 (10%, 50°C)	≥1500 h
Oxidative Induction Time	ASTM D3895	≥2000 minutes
Coefficient of Linear Thermal Expansion	ASTM D696	1.2 x 10 ⁻⁴ cm/cm °C
Application Temperature		+5 to +50 °C
Service Temperature		-30 to +80 °C
Peak		+90 °C

IMPORTANT

All statements and data presented herein are given in good faith and believed to be appropriate and reliable. It is given without express or implied warrant or guarantee. Potential users of our materials are urged to conduct confirmatory trials to satisfy themselves as to the suitability of the selected product for their particular end use, prior to purchase.



Available Sizes

Dimensions: Pile and system circumference + 150 mm overlap x 1.90 m high
Other sizes are available on request.

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