

The **GUARDIAN 500 System Outer Cover** exceeds marine engineering specifications for use in unforgiving marine conditions where exposure to ice, floating debris, chemical pollution, hydrocarbons, acids, salt water and tidal action that may occur.

GUARDIAN 500 System Outer Cover is a 3-Layer Reinforced Jacket constructed using Woven Roving with a double layer Alkali-Free non-twist mat saturated with Hydrophobic Isophthalic Polyester Resin. Ultra-Heavy Duty GUARDIAN 500 System Outer Covers or jackets can be fabricated utilizing Additional Reinforced layers to meet specific requirements.

GUARDIAN 500 System Outer Covers are supplied as standard with a translucent finish, allowing easier monitoring during the installation of GUARDIAN Underwater Cementitious & Epoxy Grout Systems.

GUARDIAN 500 System Outer Covers are also available in a colored finish.

USES

- **GUARDIAN 500 System Outer Covers** can be used around Timber, Steel or Concrete piles.
- **GUARDIAN 500 System Outer Covers** are available in permanent and reusable versions that can be assembled topside or in the water.

BENEFITS

- Ease of installation
- Lightweight
- Non-corrosive
- High Strength 3-Layer Reinforced Jacket
- Excellent Solvent and Chemical Resistance
- High Abrasion and Impact Resistance

SIZING & CONFIGURATION

GUARDIAN 500 System Outer Cover are available in 1 or 2 piece Construction. Jacket Length and Construction Thickness can be Custom made. Please consult with your Guardian Technical Representative to discuss your Specific Requirements.

PROPERTIES

Property	Value
Flexural Strength (ASTM C 790)	40,000 psi
Flexural Modulus (ASTM D 790)	1.4 x 10 ⁶ psi
Ultimate Tensile Strength (ASTM C 638)	21,000 psi
Tensile Modulus (ASTM C 638)	1.7 x 10 ⁶ psi
Elongation (D 638)	1.64%
IZOD Impact Strength, Notched (ASTM D256)	20.0Ft-Lbs/in
IZOD Impact Strength, Un-notched (ASTM D256)	29.8Ft-Lbs/in
Barcol Hardness (ASTM D 790)	50
Water Absorption (ASTM D 570)	0.09%
Standard Color	Translucent
Wall Thickness	3mm to 12mm
UV Stability (ASTM G23)	500 Hr. Pass



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