

# SeaShield Marine Systems



BP Refinery installed the Series 2000HD System for the protection of 24" diameter steel piles.



## Features

- Minimal surface preparation required (*no abrasive blasting*)
- Fast and easy installation
- Can be applied underwater
- Proven 75 year history of corrosion protection
- One piece jackets
- High impact resistance in aggressive environments
- UV resistant
- Safe to apply and environmentally responsible
- Long maintenance-free service life

## Series 2000HD

Heavy-duty pile protection system with marine grade petrolatum tape and an HDPE outercover secured with a bolted system

**S**eaShield Series 2000HD System provides splash zone protection for steel, concrete and wood structures. The system is ideal for environments where conditions are too severe for paint systems, epoxies and other conventional forms of protection. SeaShield Series 2000HD seals out oxygen and water, effectively stopping corrosion on metal surfaces. The system also prevents spalling and corrosion of steel reinforcement in concrete piles.

The Series 2000HD encapsulates wharf piles, riser pipes and exposed piping in splash and intertidal zones. It accommodates piles with cylindrical and H-Pile configurations, as well as support members, bracing, brackets and other irregular surfaces.

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SeaShield Series 2000HD System was used to protect octagonal concrete bridge piles.

## Materials

The SeaShield Series 2000HD System stops corrosion by using a proven petrolatum-based tape. The SeaShield Marine Tape forms an anti-corrosion membrane by displacing water and forming a moisture-resistant bond. A tough outercover surrounds this component to protect against weathering and mechanical damage.

### Denso Paste S105

Underwater petrolatum paste containing water displacing, corrosion inhibiting and flow control additives. It does not contain volatile organic components. It is applied to badly corroded and pitted steel above and below water prior to the

application of the tape. It displaces water and fills pits and depressions.

### Densyl Mastic (optional)

A flexible, putty-like caulking and filler material used to seal irregular shapes and other areas where tape may bridge. Common applications include pile/pilecap interfaces, brackets and flanges. Mastic seals against water and air intrusion and improves contours for tape wrapping.

### SeaShield Marine Tape

Synthetic fiber-reinforced tape impregnated and coated with a specially formulated, petrolatum-based compound containing inert fillers and water displacing agents. The tape provides a long-lasting, anti-corrosion membrane for steel and concrete surfaces. Applied spirally, and with sufficient tension, SeaShield Marine Tape displaces water and develops a water resistant bond. It provides the primary corrosion protection in the SeaShield Series 2000HD System.

### SeaShield Outercover

A tough, ultraviolet-resistant outercover that provides mechanical protection against the elements and accidental impact. The size of the outercover and thickness of the jacket are customized to meet application requirements. SeaShield outercovers are secured with 316 SS marine grade stainless steel bolts, nuts and washers.



The components of the Series 2000HD System can be applied under water with minimal surface preparation.

## Find Out More

For further details please refer to the Engineering Specifications for SeaShield Series 2000HD or call 1-888-821-2300.

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