

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 85-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

SeaShield Series 2000HD System provides splash zone protection for steel and concrete piles. 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, octagonal 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

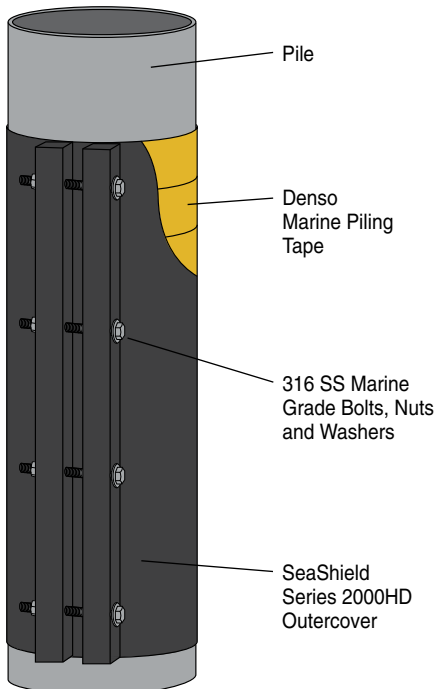
The Series 2000HD Systems stops corrosion by using an 85-year proven petrolatum-based tape. The Denso Marine Piling Tape forms an anti-corrosion membrane by displacing water, sealing out oxygen and forming a moisture resistance bond. A tough outercover surrounds the tape to protect against weathering and mechanical damage.

Denso Marine Piling Tape

Denso Marine Piling Tape is a 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, Denso Marine Piling Tape displaces water and develops a water resistant bond. It provides the primary corrosion protection in the SeaShield Series 2000HD System. If the surface to be protected is pitted by 2mm or more in depth then a layer of Denso S105 Paste should be applied over the pitted area. If there are irregular shapes, plate edge interfaces, brackets or similar then Densyl Mastic can be used to contour these areas to provide a smooth profile for tape wrapping.

SeaShield Outercover

SeaShield Outercovers are made of proven HPDE which is UV resistant, durable and tough. The outercovers provide mechanical protection against the elements and accidental impact. All Series 2000HD outercovers are custom manufactured with HDPE bars so the outercover can be bolted around the pile with hoop tension. They 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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