

# SeaShield Marine Systems



*LaGuardia Airport used the SeaShield Series 100 System to provide corrosion protection for over 2,000 steel piles.*

## Series 100

**Pile protection system with Denso Marine Piling Tape and an HDPE outercover secured with a strapping system**

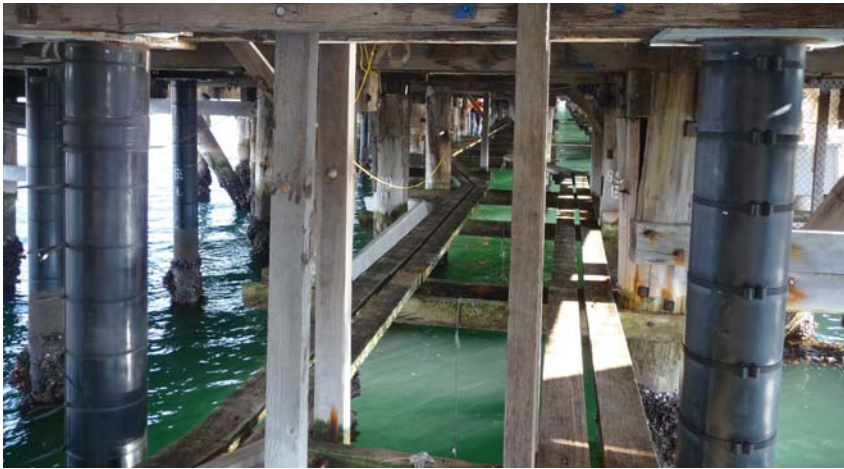
**S**eaShield Series 100 System provides splash zone protection for steel, concrete and wood piles. The system is ideal for environments where conditions are too severe for paint systems, epoxies and other conventional forms of protection. SeaShield Series 100 seals out oxygen and water, effectively stopping corrosion on metal surfaces. The system also prevents spalling and corrosion of steel reinforcement in concrete piles.

The Series 100 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.

### Features

- Minimal surface preparation required (*no abrasive blasting*)
- Fast and easy installation
- Can be applied underwater
- Proven over 85-years of history of corrosion protection with Denso Petrolatum Tapes
- One piece jackets
- High impact resistance in aggressive environments
- UV resistant
- Safe to apply and environmentally responsible
- Long maintenance-free service life

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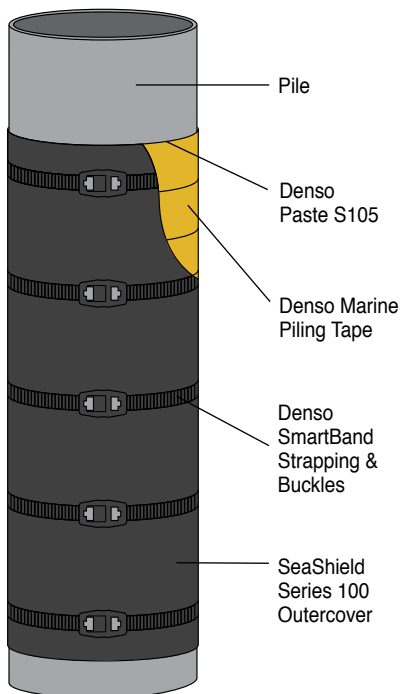
▲ The components of the Series 100 System can be applied under water with minimal surface preparation. ▼



## Materials

The Series 100 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 100 System. If the surface to be protected is pitted 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 100 outercovers are custom manufactured to the diameter and length required to protect the pile. They are secured with Smart Band strapping and buckles.

## Find Out More

For further details please refer to the Engineering Specifications for SeaShield Series 100 or call 1-888-821-2300.

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