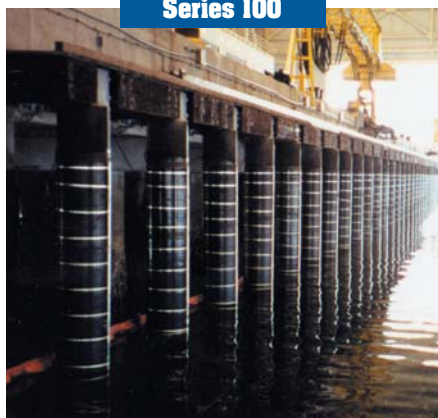




SeaShield Marine Systems

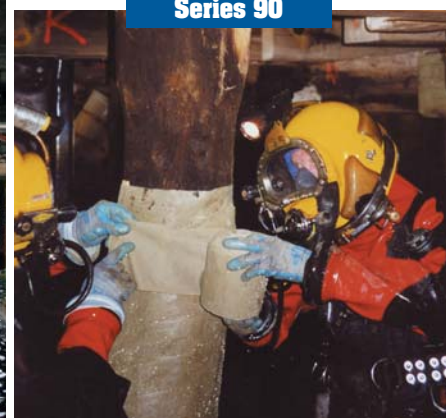
Denso offers a full range of steel, concrete and timber pile rehabilitation systems including petrolatum systems, fiberglass jackets, nylon fabric forms, epoxy grouts and many other products.



Series 100



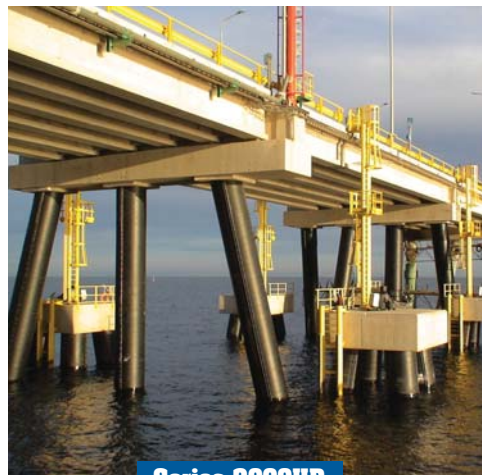
Series 500



Series 90



Fiber-Form



Series 2000HD



Fab-Form

With millions of square feet of pile protection systems installed worldwide, Denso is the preferred choice of owners, engineers and contractors. In business for over 120 years, Denso has the experience and expertise to provide the highest quality pile protection systems. SeaShield Marine Systems will add years of life to both new and existing piles and piers.



SeaShield Series 90 System

Timber pile protection with petrolatum tape and protective outercover

The SeaShield Series 90 System provides timber pile protection against marine borer destruction. The system eliminates existing marine borers and protects the pile against further infestation. By using SeaShield Marine Tape and an outercover, the pile is encapsulated, thus removing oxygen from reaching the timber pile. The system kills the marine borers inside the pile and those outside can not penetrate the barrier.

The Series 90 System can accommodate hour-glassed piles, posting, bracing and other timber support members. The system is easily installed and does not require any special or expensive equipment. It is the most effective, economical and long-term solution to extending the life of new or existing timber piles.



SeaShield Series 100 System

Pile protection system with petrolatum tape and an HDPE outercover secured with a strapping system

The SeaShield Series 100 marine anti-corrosion system provides splash zone protection for steel, concrete and wood structures. The system is ideal for harsh environments where conditions are too severe for paint systems, epoxies and other conventional forms of protection. The Series 100 System 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 SeaShield Series 100 System encapsulates wharf piles, offshore 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.



SeaShield Series 500 System

Heavy-duty pile protection system with a fiberglass jacket and SeaShield 550 Epoxy Grout

The SeaShield Series 500 System is comprised of the SeaShield Fiber-Form Jacket and SeaShield 550 Epoxy Grout. The system is custom fabricated to restore and protect concrete, timber and steel piles and provide years of additional service life.

The Fiber-Form Jacket is a high quality formulation Fiberglass Reinforced Plastic (FRP) that is designed to provide an attractive, durable and permanent system. The jacket is provided with a vertical closure and noncorrosive standoffs (grout spacers) can be used inside the jacket to maintain proper grout thickness around the pile. The SeaShield 550 Epoxy Grout is a 3-component water displacing epoxy resin/aggregate formulation which provides a durable, well bonded repair to concrete, timber and steel above and/or below water.



SeaShield Series 2000HD System

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

The SeaShield Series 2000HD System provides corrosion protection for steel and concrete piles. The system is ideal for aggressive inland and offshore environments. The system seals out oxygen and water effectively stopping corrosion on steel surfaces and prevents spalling and corrosion of steel reinforcement in concrete piles. The corrosion is stopped 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.

The Series 2000HD System can be used on offshore platform legs, risers, wharf piles and exposed piping in the splash and tidal zones.



SeaShield Fiber-Form Pile Jacket

Fiberglass jacket to provide a form for encasement of concrete or epoxy grout

The SeaShield Fiber-Form Pile Jacket is a custom fabricated fiberglass jacket to structurally restore and protect concrete, timber, and steel piles. The Fiber-Form Jacket can be removed or stay in place to protect and extend the life of the restored pile. The jacket is a high quality formulation Fiberglass Reinforced Plastic (FRP) and polyester resins with UV inhibitors. Standard thicknesses are 1/8" and 3/16". The Fiber-Form Jacket is provided with a vertical closure. Non-corrosive stand-offs (grout spacers) can be used inside the jacket to maintain proper spacing around the piling when using grout.



SeaShield Fab-Form Pile Jacket

Nylon fabric jacket to provide a form for encasement of concrete

The SeaShield Fab-Form Pile Jacket is a nylon fabric form jacket that provides a quick and economical solution to repair deteriorated pilings. The Fab-Form Jacket is designed for concrete encasement to strengthen and extend the life span of timber, concrete and steel piles. The jacket is a 100% continuous multifilament nylon fabric. All seams are folded and double needle stitched. The Fab-Form Jacket is provided with a zipper closure system, constructed of brass teeth on nylon cotton tape. The pile jacket provides a quick and economical solution to repair deteriorated pilings. The concrete grout shall be specified by the owner or engineer.



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