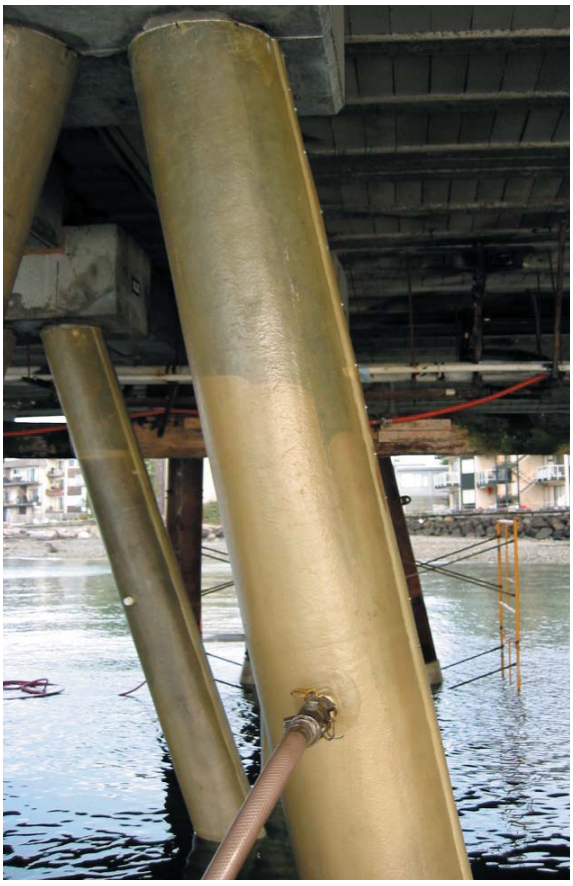
SeaShield Marine Systems



SeaShield 550 Epoxy Grout being pumped into the SeaShield Series 500 Fiber-Form Jacket.

Series 500

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

Features

- Outstanding abrasion resistance
- Easy to install
- Non-corrosive
- Requires inexpensive pumping equipment
- Flowable epoxy grout
- Excellent adhesion to substrate
- Manufactured to be translucent with clear gel coat
- High impact resistance
- UV resistant
- Long maintenance-free service life

SeaShield Series 500 System is comprised of the SeaShield Fiber-Form Jacket and SeaShield 550 Epoxy Grout. The system can be applied above and/or below the water with inexpensive pumping equipment or poured into the pile jacket. The Series 500 System is tough, durable and provides the ultimate protection to restore steel, concrete and timber piles.

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Materials

The SeaShield Series 500 System is comprised of a Fiber-Form Jacket which is a high quality formulation Fiberglass Reinforced Plastic (FRP) and SeaShield 550 Epoxy Grout. The product is designed specifically for protection of concrete, timber, and steel piles and provides an attractive, durable, and permanent system. Standard jackets are fabricated in thicknesses of 1/8" and 3/16".

The Fiber-Form Jacket is provided with a vertical closure. Noncorrosive standoffs (grout spacers) can be used inside the jacket to maintain proper spacing around the piling when pumping or pouring the SeaShield 550 Epoxy Grout.

The SeaShield 550 Epoxy Grout is a 3-component water displacing epoxy resin/aggregate formulation which provides a durable, well bonded repair to concrete, steel and timber piles below water. The 550 Epoxy Grout can be easily pumped into the Fiber-Form Jacket due to its excellent flowability characteristics.

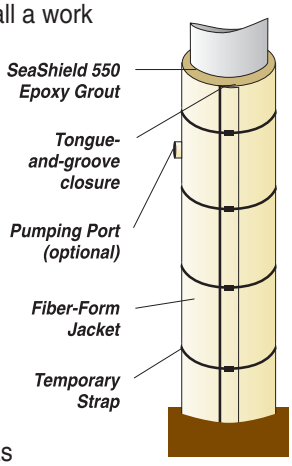
SeaShield 550 Epoxy grout being mixed and poured into pump.

For further details please refer to the technical data sheets for the SeaShield Fiber-Form Jacket and SeaShield 550 Epoxy Grout.

SeaShield 550 Epoxy grout pumped into the annulus around an existing octagonal concrete pile.

Application

1. Thoroughly clean the existing pile by waterblasting, sandblasting or other acceptable methods. The SeaShield Series 500 Jacket can be installed at the tidal zone area or positioned below the mudline.
2. If a mudline repair is required, excavate the mud at the base of the pile and install the jacket. If tidal zone repair is required, install a work platform at the proper height using friction clamps secured to the pile.



3. Prepare the jacket with the required stand offs prior to using the SeaShield 550 Epoxy Grout.
4. Position the jacket around the pile and secure with a select strapping system every 18 inches or as required.
5. Prepare bottom seal with SeaShield 550 Epoxy Grout and allow to set. Pumping shall not commence until bottom seal is fully cured.
6. Fill jacket with SeaShield 550 Epoxy Grout at a constant slow rate of placement within allowable pressure ratings.

Find Out More

Contact Denso North America for a complete literature package or a no-cost on-site evaluation of your application:

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