SeaShield Marine Systems

Structurally repaired timber piles with rebar, concrete and translucent SeaShield Fiber-Form fiberglass pile jackets.

Features

- Outstanding abrasion resistance
- Easy to install
- High impact resistance
- UV resistant
- Non-corrosive
- Lightweight
- Manufactured to be translucent or gel coated to a color
- Long maintenance-free service life

Fiber-Form Pile Jacket

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

SeaShield Fiber-Form Jacket is a custom fabricated fiberglass jacket to structurally restore and protect concrete, timber, and steel piles. The Fiber-Form Jacket is of the highest quality construction to meet Engineering Specifications to withstand hostile marine environments. The Fiber-Form Jacket can be removed or stay in place to protect and extend the life of the restored pile.

Denso®

DENSO NORTH AMERICA

Structurally repaired timber piles with rebar, concrete and translucent SeaShield Fiber-Form fiberglass jackets. The jackets can be manufactured to be translucent or gel coated to a color.

Materials

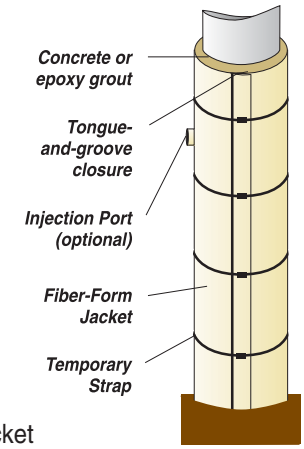
The SeaShield Fiber-Form Jacket is a high quality formulation of Fiberglass Reinforced Plastic (FRP) and polyester resins with UV inhibitors. The pile jackets can be fabricated from 1' to 20' long sections and with a thickness from 1/8" to 3/16" (other thicknesses are available upon request).

The Fiber-Form Jacket is provided with a vertical closure. Denso can install pumping ports at desired locations to attach concrete or epoxy grout hose. Non-corrosive standoffs (grout spacers) can be used inside the jacket to maintain proper spacing around the piling when using SeaShield 550 Epoxy Grout, SeaShield 510 UW Grout or other specified concrete grout.

For further details please refer to the technical data sheet for SeaShield Fiber-Form.

Application

1. Thoroughly clean the existing pile by waterblasting, sandblasting or other acceptable methods. The SeaShield Fiber-Form 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 a jacket. If tidal zone repair is required, install a work platform at the proper height using friction clamps secured to the pile.



3. Install steel or other reinforcement to the pile as required by project specifications.
4. Install stand-offs to provide proper annulus space between rebar and inside of Fiber-Form.
5. Position the Fiber-Form Jacket around the pile and secure with a select strapping system every 18 inches or as required.
6. Prepare bottom seal with SeaShield 550 Epoxy Grout or approved concrete and allow to set. Pumping shall not commence until bottom seal is fully cured.
7. Fill Fiber-Form with SeaShield 510 UW Grout or cementitious grout. Fill jacket 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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