



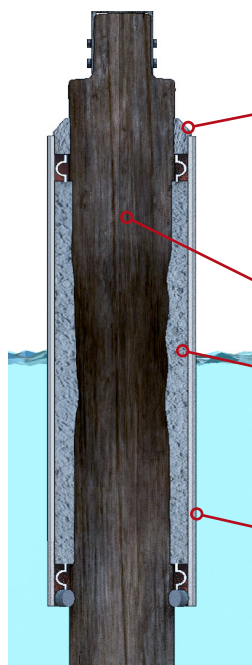
MARINE STRUCTURE REPAIR & PROTECTION: Tstrata™ Fiberglass Jacket Timber Pile Restoration System

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TECHNOLOGIES

Timber piles placed in marine environments are subject to a variety of deterioration mechanisms and over time will shrink which may cause internal voids that impact their strength.

STRUCTURAL TECHNOLOGIES' Tstrata™ Fiberglass Jacket Timber Pile Restoration System utilizes a rigid shell that serves as a stay-in-place form for concrete and epoxy materials that restore deteriorated timber piles structural capacity and provide long-term protection.

KEY SYSTEM COMPONENTS:



V-Wrap™ PF Epoxy Putty

Top of pile repair system utilizes V-Wrap™ PF, two-part, 100% solids, epoxy to form a slope to carry away moisture from the timber pile.

V-Wrap™ Tstrata 330 Epoxy

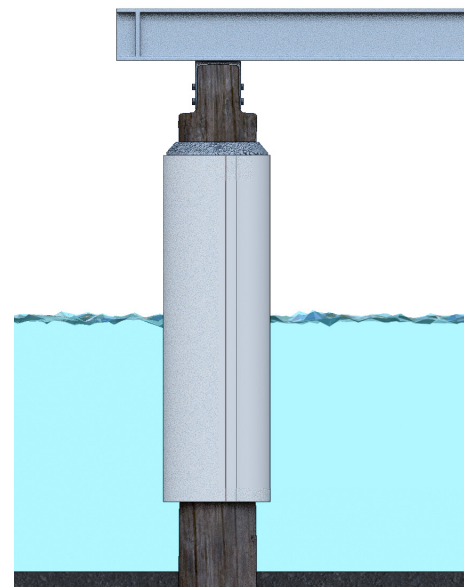
Tstrata 330, a high strength epoxy mixed with filler, is placed around, or injected into the pile, filling voids and cavities.

Tstrata™ Grout

Annular space is filled with Tstrata™ grout, a specially formulated, one part microsilica modified high-strength material. It is a premixed, dry packaged grout that has low absorption properties for moist environments.

Prefabricated Tstrata™ Fiberglass Jacket

One-piece, lightweight fiberglass reinforced polymer (FRP) shell that serves as a stay-in-place form for grout and epoxy materials that restore deteriorated timber piles structural capacity and provide long-term protection.



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