



Waterfront Structures

Tyfo® Fibrwrap® systems are used on waterfront structures to either meet specified structural criteria or to provide environmental protection by:

- Rehabilitating corroded or distressed members
- Performing seismic repairs of structural components
- Using prefabricated systems for underwater applications
- Controlling corrosion and protecting elements from aggressive environments
- Extending the service life of coastal, riverfront and oceanfront structures

Tyfo® Fibrwrap® systems are installed in severely aggressive marine environments (e.g. ports, wharves, piers, jetties, etc.), to prevent loss of strength due to corrosion and to extend the life of the structure.

Tyfo® Fibrwrap® systems are designed to regain the capacity of corrosion damaged structures in and around waterways.

In addition to protecting structural elements and regaining their original strength, Tyfo® Fibrwrap® systems may also be designed to increase the original capacity for change-of-use retrofit projects.

Tyfo® Fibrwrap® systems, whether wet lay-up or prefabricated, are installed on circular, octagonal, rectangular and alternatively shaped cross sections.

Tyfo® PR jackets are prefabricated using Tyfo® Fibrwrap® systems and are thoroughly tested, accepted and installed all around the world. Tyfo® PR jackets are composed of:

- Tyfo® SW-1 Epoxy: specially formulated NSF (ANSI) listed, two-component epoxy designated for partial or complete underwater cure
- Tyfo® PR Jackets: pre-fabricated Tyfo® Fibrwrap® systems jackets that bond back onto themselves using Tyfo® SW-1 Epoxy
- Tyfo® PR Grouts: Fyfe Co. LLC offers both cementitious and epoxy based grout for the Tyfo® PR jacketing system.

Fyfe Co. also offers the Tyfo® CP (Cathodic Protection) system. The Tyfo® CP system is composed of:

- Aluminum mesh (sacrificial anode)
- Conductive mortar
- Tyfo® SEH or SCH materials
- Tyfo® MC (monitoring cables) for measuring electric potentials and corrosion rates

The unique combination of Tyfo® Fibrwrap® systems with sacrificial anodes provides corrosion mitigation as well as structural enhancement.