

# ENGINEERED COMPOSITE SOLUTIONS FOR CIVIL APPLICATIONS



## SYNTHO GLASS XT

### Fiberglass Concrete Column Restoration & Rehabilitation System

Syntho-Glass XT system is a unique pre-impregnated, bidirectional composite used to repair and reinforce both internal and external corrosion on pipelines or structures without expensive and time consuming shutdowns. The initial development of this system was designed to conform to both the ASME PCC-2 and ISO TS24817 standards for nonmetallic reinforcing solutions. This extreme strength design minimizes the time and cost of refurbishment by reducing the time to repair, as well as the replacement cost. When used with the appropriate primary coating, it enables one to repair and reinforce virtually any geometry in minutes.



## VIPER SKIN™

### Carbon Fiber Concrete Column Restoration & Rehabilitation System

Viper-Skin is the first biaxially, hybrid carbon and glass fiber polyurethane prepreg system that blends the unsurpassed strength and stiffness of carbon with the ease of use of a moisture-cured prepreg. This carbon fiber reinforcement composite system uses a micro-controlled, wet-out process. As a result, nearly perfect resin content and maximum, repeatable strength properties are attainable. The time and cost associated with field wetting of the composite is removed from the equation altogether and the moisture-curing properties allow for underwater and wet environment applications. The Viper-Skin solution conforms to all shapes, welds, and irregular geometries, and one size can be used on a variety of pipe diameters.



## TITAN XT

### Fiberglass/Epoxy Concrete Column Restoration & Rehabilitation System

Titan XT is an epoxy based infrastructure repair system that is a custom engineered composite system that utilizes a high strength bidirectional (0°/90°), woven fiberglass tape in combination with a proprietary epoxy resin formulation. This unique composite is used to repair and reinforce concrete structures without expensive and time-consuming rebuilding cost. The development of this system was designed to conform to ACI440 standards for nonmetallic composite reinforcing solutions of concrete.

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