

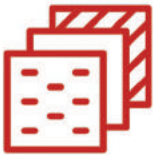
When Replacement Is Not An Option

Composite Tank Repairs



Enhanced Strength and Protection

Internal composite tank repairs provide excellent protection from corrosion and erosion, and can be designed to enhance the structural strength of degraded tanks or to repair through-wall failures. For extreme degradation, a structurally-certified composite tank can be built inside your existing tank.



Common Substrates, Extreme Conditions

Our composite solutions provide excellent adhesion to concrete, steel, fiberglass, aluminum, and other common substrates. With high-temp, immersion-grade, and chemical-resistant systems available, potential applications include sour crude exposure, concentrated acids, caustics, aggressive solvents, and extreme abrasion.



Permanent Repairs

We provide the greatest certainty of outcome in the industry. Our composites will prevent further corrosion and provide a 20-year maintenance-free life extension in most services. For structural applications, our solutions can be stamped and certified by a structural engineer.



Reliability By Design

Customized composite solutions are engineered to your specific needs, whether you need a spot repair, sectional reinforcement or a structurally independent composite tank to withstand 100% of the structural load. Our composite repairs are compliant with pertinent ISO, ASTM, ASME and API code requirements.

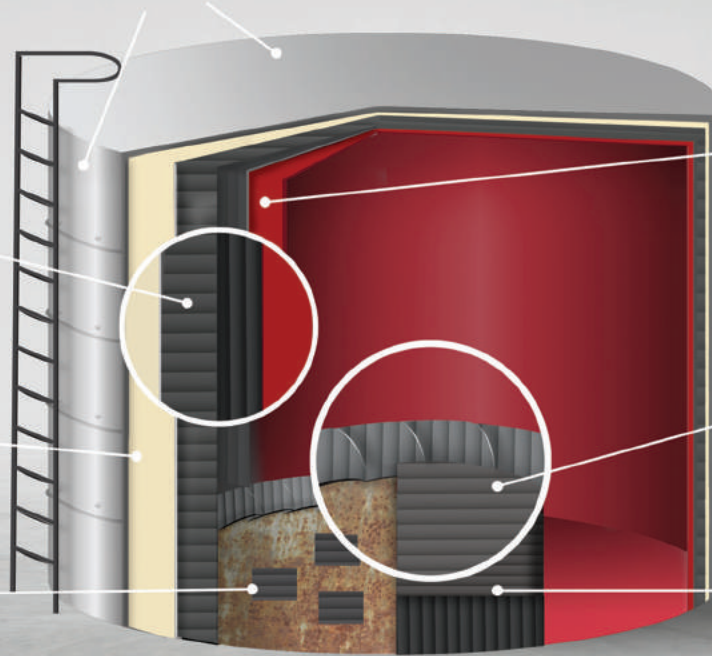
Repair, Reinforce, Rebuild

Carbon fiber composite repairs can also be done on tank roofs and external walls.

Wall reinforced with overlapping carbon fiber bands.

Epoxy adhesive coat used to hold carbon fiber on vertical surfaces or tank roofs. Can also fill pits, voids and other irregularities.

Spot repairs with carbon fiber composite patches for localized or isolated corrosion.



Chemically-resistant, immersion-grade topcoat ensures long-term, maintenance-free service.

Floor to wall joint reinforced with carbon fiber shingles.

Floor is reinforced with overlapping bands of carbon fiber.

Installation Spotlight



Tank Floor: A high-temp carbon fiber composite repair was performed on the floor of a condensate tank with through-wall failures. The complete system, including a permeation-resistant topcoat, was installed and fully cured in only 7 days during a short plant shut-down.



Tank Wall: A chemically-resistant carbon fiber composite installed on a concrete overflow tank containing 95% sulfuric acid. Inspections revealed many through-wall failures where previous coatings had failed. The composite was easily installed over the tank's unique geometry.



Full Tank Enhancement: A full tank reinforcement system was installed to repair severe degradation from microbially induced corrosion. Coupled with a ceramic-reinforced epoxy, the composite system was chosen to reinforce and protect the existing tank instead of replacing it.