

Composite Solutions for the 21st Century

Emergency Services

Unfortunately, driving a fork lift into a fiberglass tank is not really that uncommon. Each year American Fiberglass's field crews respond to a multitude of unexpected repair situations, including electric motors, mixing assemblies and other equipment and tools that have fallen into and impacted a tank. With our strategic placement of field crew personnel across North America and Canada, mobilization to your location can be a relatively quick function of our service program.



Service On Your Schedule

American Fiberglass's National Field Service Crews, backed by our composite engineers, are positioned and ready to respond to industry's routine maintenance and emergency service calls. Whether it's a leaking FRP tank, a broken nozzle or the need to add or replace nozzles, we are your tank resource. As with most plants and facilities, it may be a problem to take a storage tank out of service or free up an area for our crews to perform their work. Therefore, we can work around your schedule – shut downs, weekends, night shifts – we adapt to you.



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Your Source for Fiberglass Tank Repairs and Maintenance
Serving all 50 States and Canada



Fiberglass Nozzle Repair and Replacement



Fiberglass Reinforced Plastic Tank Lining



Fiberglass Tank Repair

First developed during World War II, fiberglass reinforced plastic laminates have evolved into today's sophisticated corrosion resistant fiberglass (CR FRP) and abrasion resistant fiberglass (AR FRP) laminate systems. In the tank fabrication industry, these composite vessels now rival and in certain environments, surpass stainless steel and other thermoset plastic vessels for the containment of various corrosive liquids.

Interior Lining Refurbishment



Storage of even moderate corrosive products eventually takes its toll on the interior corrosion barrier of CR FRP vessels. Using the newest compatible glass, Kevlar and carbon veils, along with service specific polymer matrixes, American Fiberglass can reline these interiors before the contained product permeates the underlying structural body of the tank, heading off breach of containment situations. In most cases, even if a tank has breached its corrosion barrier, the overall structural integrity of the vessel is still intact, offering an ideal substrate for our field personnel to fabricate a new corrosion layer, adding years of service life to the tank.

When the need arises to switch the use of an existing tank from one contained product to another, we offer many product specific corrosion layer systems, compatible with products the tank may have not been originally designed to contain.

Sodium hypochlorite (NaOCl) and sodium hydroxide (NaOH) are two aggressive chemicals stored in FRP vessels. Each year American Fiberglass refurbishes hundreds of tanks used by the water, wastewater and chemical processing industries.



Interior Of Chemical Storage Tank Displaying Wear

Nozzle Repair, Changes and Additions

When a new tank is manufactured, nozzles are installed per the customer's specifications, or manufacturer's stock designs. A penetration is cut through the new tank body and the nozzles installed with a laminate plastic build up resembling a flange. When piping and valve layouts are changed after a tank is in place, it's often necessary to make field changes to original nozzle locations. Our field crews can relocate, resize and block off nozzles, ports, and manways using structurally sound factory protocols. Each job is tank specific, using resins and nozzles made for the specific constituent products stored in the tank.



Custom Laminate Materials

Using a selection of over 35 composite materials, fiberglass and other laminates are measured, layered, cut and assembled in our composite department for shipment to job sites. Sections of mat and woven material are custom assembled for each tank resurfacing job in the field. Each tank refurbishing project is pre-engineered for the right materials, resins and hardware.

