



Fuel and DEF

Underground Fiberglass Tanks



“ As far as protecting my owners and their future, I'm looking at 30 to 40 years down the road. Fiberglass is the way to go. It allows us to go with the new biofuels and not worry. ”

biofuel marketer



Think decades not years

#1

Corrosion is the #1 cause of tank failure

10-100x

MIC can occur 10-100 times faster than chemical corrosion

A fiberglass underground storage tank made of 100% premium resin is superior to a steel tank in many ways — starting with corrosion resistance and structural strength. That's why major fuel marketers, C-store chains and hypermarkets overwhelmingly choose fiberglass underground storage tanks today. And that's why customers continue to equate secure storage of fuel products with the Xerxes name.

External corrosion from surrounding soil began the trend of replacing rusting steel fuel tanks with corrosion-resistant fiberglass tanks decades ago.

When new biofuels and ultra-low sulfur diesel (ULSD) entered the market, a rise of internal corrosion in steel fuel tanks created a new problem. Water bottoms in steel tanks storing biofuels lead to aggressive microbial influenced corrosion (MIC). Untreated, the ultimate result can be tank failure. Once again, fiberglass' resistance to corrosion — inside and out — gives it clear advantages over other tank materials.

Xerxes corrosion-resistant fiberglass tanks need no added coating or cathodic protection to make them corrosion-resistant with new biofuels and traditional fuels. Our 30-year limited warranty points to the strength of fiberglass' corrosion resistance.

- No expensive maintenance required to remove water bottoms
- No water-bottom warranty exclusion
- Warranty transferable to new tank owner

Compatible with

E10, E15, E85, biodiesel, ultra-low sulfur diesel

30-year limited warranty

Compared to 10 years for many steel tanks

Structural strength is about more than weight

Engineers look at tank material and geometry when evaluating design options for an underground fuel tank. The strength of our tank comes from a combination of the material stiffness of fiberglass composite and the geometry of our integrally ribbed, cylindrical tank with dished or domed end caps.



Integrally Constructed Ribs

Functioning like I-beams, high-profile fiberglass ribs are fabricated directly into the tank cylinder. This process is superior to ribs created in a separate manufacturing step.

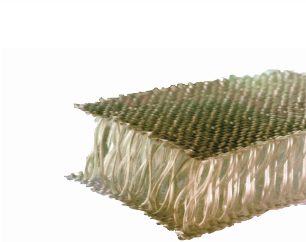
Designed for H-25 / HS-25 axle loads

Designed for easy shipping and installation

ANSI/CAN/UL/ULC 1316:2018 listed

Oil-water separators
UL 2215-listed CAN/
ULC S656-listed

DEF tanks
third-party
compatibility
tested



Glass-Fabric Bonding

Our proprietary Parabeam® consists of two layers of glass fabric woven together by vertical pillars. Infused with a thermoset resin, it produces a unique laminate that adds strength and creates a defined interstitial space.

“ We are always looking for ways to improve our environmental performance. Installing fiberglass double-wall tanks not only helps us achieve this, it reduces our environmental risk. ”

– Retail fuel marketer
when replacing steel tanks with fiberglass tanks

Underground Tanks — Diameters up to 12 feet



Fuel Storage Tanks

Double-wall tanks are the industry standard in fuel storage. Triple-wall tanks provide enhanced containment when site conditions or regulations warrant that. Multicompartment tanks save space when storing more than one grade or type of fuel.

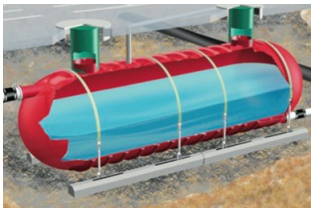
- Capacities up to 50,000 gallons or 155,000 liters
- Double-wall, triple-wall and multicompartment models
- Dry and hydrostatic monitoring options



DEF Storage Tanks

Diesel exhaust fluid (DEF) has specific storage requirements. Fiberglass underground DEF tanks need no added coatings or linings to maintain product integrity. Underground tanks can also store larger capacities than above ground tanks.

- Capacities up to 50,000 gallons or 155,000 liters
- Single-wall and double-wall models
- Extensive third-party compatibility testing



Oil-Water Separators

Our oil-water separators incorporate unique refinements inside our tank to remove free-floating oils and settleable sands from oil-water mixtures. A properly sized coalescer is designed to produce effluent quality to meet most water runoff regulations.

- Capacities up to 30,000 gallons or 113,000 liters
- Single-wall and double-wall models
- 4'-10' diameters

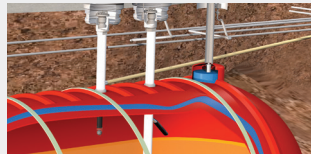
Accessories

Retail and commercial fueling facilities are sophisticated systems in highly regulated environments. A full range of easy-to-install accessories provide a total solution.



Containment Sumps

Single-wall and double-wall containment sumps are custom-matched to our factory-installed collars. Double-wall sumps are frequently chosen to meet changing regulations. A variety of models are available.



Truchek® Hydrostatic Monitoring

Our patented Truchek system continuously monitors both walls of a double-wall tank for leaks in all installation conditions. It also provides options for easy and reliable tank-tightness testing.



Engineering Anchoring System

An anchoring system can add extra security to a tank installation. Engineered and sized for specific tank sizes, our anchoring system includes prefabricated concrete deadmen, anchoring straps, galvanized jaw-to-jaw turnbuckles and adjustable anchor points.

Typical Accessories

- Engineered anchoring systems
- Dry and hydrostatic monitoring options
- Manways, covers and extensions
- Containment collars, sumps and covers
- Standard and custom fittings and nozzles
- Fill tubes
- Ladders

Unparalleled manufacturing capability

Leading the way in composite technology

No other tank manufacturer has the kind of manufacturing capability in North America that we have. No matter where our customers need fuel tanks, our facilities are not far from your next installation.

Xerxes fuel tanks and accessories offer long-term security for all your underground fuel and DEF storage needs. Throughout North America, our expert engineering and sales teams are ready to design and deliver the tanks you need.

We provide the best technologies, products and services for every project. Our goal is to exceed expectations with unparalleled expertise, delivery, performance and value. We do this every step of the way — from project planning through the life of each fuel project.

Contact us at fuelsales@mattr.com to discuss your next project.



xerxes.com

40+
years of industry
experience

**Expert
engineering
and sales
consulting**

225,000+
tanks
Installed

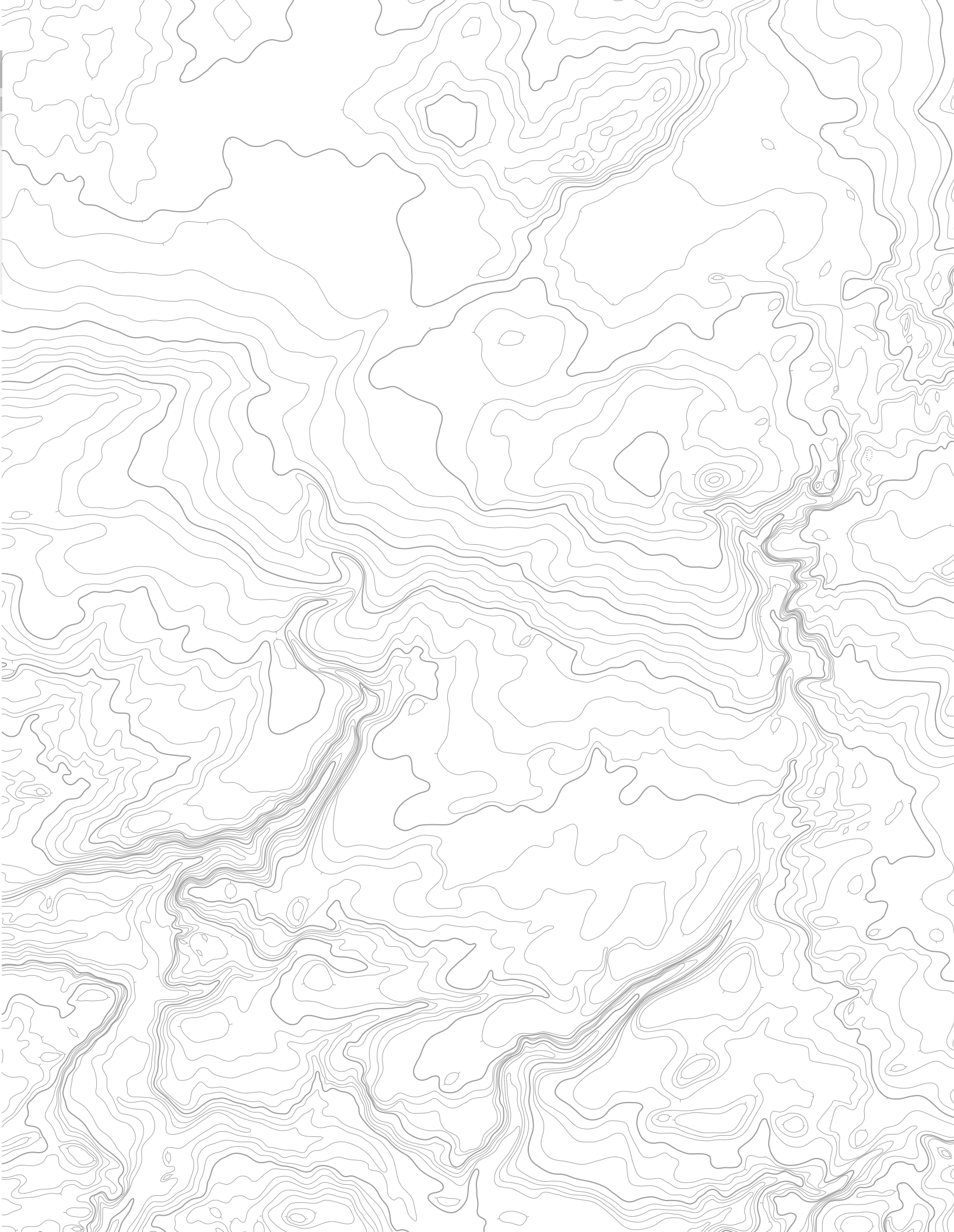
**Fuel compatibility
validation**

**6 manufacturing
facilities in
North America**

**Regulatory
compliance
assistance**

**Contractor
training**

**Application
design drawings**



Xerxes – A Mattr brand

Xerxes is a key brand of Mattr, a global growth-oriented company that delivers advanced materials technology and complex manufacturing expertise through a diverse portfolio of brands. The company's market-leading brands provide engineered products and solutions that support critical infrastructure for markets such as water, transportation, communication, energy and electrification.

The name Mattr reflects our expertise in high-value materials technology. The company's core competencies revolve around converting physical materials into solutions that serve the greater good of our world. The name is also an affirmation that what we do matters – to our employees, our families, our customers, our communities, our world.

