

Sustainable Solutions Everywhere You Live and Work



malls, schools, sports centers, residential developments, commercial properties and industrial sites.

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.

– Xerxes customer

Expanding Into Stormwater

Applying its materials technology and manufacturing expertise to customers' stormwater needs is a natural expansion of Xerxes' composite tank innovations.

Driven by the same value system that resulted in the development of fiberglass storage tanks, Xerxes now provides a complete stormwater solution with its

HydroChain™ stormwater product line. These products include a range of pretreatment, filtration, storage and infiltration, and conveyance products. Xerxes' team of stormwater engineers, with decades of experience in stormwater, can provide customers with a complete system design for site-specific stormwater management.



Leading the Way in Composite Technology

When Xerxes introduced its first products to the market more than 40 years ago, its underground fiberglass storage tanks were a solution to the groundwater contamination caused by fuel leaking from corroding steel tanks. Because fiberglass is inherently corrosion-resistant inside and out, fiberglass tanks need no added coating or cathodic protection to make them corrosion-resistant. That material benefit is even more important now, with the growing use of new biofuels. Today Xerxes is the leading provider of fuel storage tanks and some of North America's largest corporations, including major big-box and convenience-store brands, choose Xerxes tanks to store flammable and combustible fuels.

Fiberglass also continues to grow as a material choice in the water and wastewater tank markets. In many installations, a water tank can be a dual-purpose tank, providing a source of both potable and fire-protection water. These tanks are manufactured as NSF 61-listed tanks. Xerxes water and wastewater tanks comply with the ANSI/AWWA D120 standard as well as many other industry standards for specific water applications.

With more than 225,000 tanks installed in neighborhoods all over North America, Xerxes' composite products are everywhere people live and work: convenience stores, fuel stations, medical centers, airports, retail

Improving Water Quality With Composite Chambers

A featured product of HydroChain is the composite chambers that are designed to exceed the specifications of ASTM F2418 and F2787 standards, and AASHTO LFRD Section 12.

The chambers' performance is verified through independent third-party testing. Considering storage capacity, system and excavation areas, stone and product height, the HydroChain chambers can provide up to 5 percent more system storage efficiency than other chambers. That can translate into thousands, sometimes tens of thousands of dollars in both installation and operation costs.

The main header row serves as a collection point for incoming stormwater runoff. By capturing pollutants, it improves water quality, reduces system maintenance and adds to system life. Through both composite materials and design geometry, the structural strength of the chambers allows for direct piping connections into the front, side or top of the chambers. This can reduce cost and space by eliminating the need for manifold systems, manholes and catch basins. This design allows stormwater to pass through the main header row into the storage chambers, where it then filters back through the soil to recharge aquifers.



Full-Circle Sustainability With Fiberglass Tanks

When California's Department of Transportation (Caltrans) replaced its aging wastewater system at a rest stop, several features of sustainability came into play. A unique feature of Xerxes fiberglass tanks is its ability in some instances to be repurposed. Caltrans unearthed and cleaned a Xerxes tank installed at a treatment test pilot site eight years earlier. The recycled tank and a new tank became part of the new system that treated the wastewater so it could be dispersed beneath the site's lawns. This helps avoid surface contamination and runoff problems. A wastewater system with stormwater management benefits!

We're looking for a good quality product over time. Installing fiberglass tanks is quicker than installing concrete. That, along with the longevity of the tank, gives fiberglass an edge over concrete.

– Senior project engineer



Making a Difference in Disaster Recovery Work

When a natural disaster hits, response speed and teamwork are crucial. Xerxes was able to provide both for a California community destroyed by one of the most devastating fires in U.S. history. Base camps for the 15,000 recovery workers had water and power, but not a septic system. With no time for precast concrete construction, fiberglass tanks were the logical solution. Within 23 days, the Xerxes California manufacturing and sales teams got the tanks to the site, with a plan to use the wastewater system post-recovery for a residential site in the community.

What we need is a product that is on site when we need it, and is easy and safe to install. That's what we experienced with Xerxes' HydroChain chambers.

– Contractor project manager

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. Mattr's work started more than 50 years ago with the resources of Shawcor Ltd. Mattr and its brands are taking that strong foundation to the next level with its new company branding.

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. It matters to our employees, our families, our customers, our communities, our world.