

LOOKING AT LIQUIDS STORAGE IN A NEW WAY. TECSTORE BOLTED STEEL STORAGE TANKS

**Storage for every application at prices
for any budget.**

**AWWA D103 & AISC designs in epoxy coated
carbon steel and galvanized steel fabrication.**





Epoxy Coated

CST Industries, Inc. invested seven years of R&D and field trials to develop the modified epoxy powder system, Trico Bond EP®, applied to all liquid bolted tanks since 2003. Only lead-free, chrome-free pigments are utilized. In addition, CST takes the extra step to apply a performance UV-inhibiting clear urethane to all tank exteriors that greatly extends gloss and color retention properties. Premium and custom colors, as well as 5 stock colors are available in both standard and marine exterior coatings. Available in sizes ranging to 9.7 million gallons, epoxy coated tanks are used for a wide variety of industrial and municipal water and wastewater storage applications, TecStore Epoxy Coated Tanks are available in AWWA D103, NFPA-22 Factory Mutual, AISC and other standard code approved designs.

Galvanized

TecStore Galvanized Steel Tanks are hot dipped galvanized in compliance with ASTM A123 standards. Steel parts are pickled, then dipped in molten zinc, coating both interior and exterior surfaces. These galvanized tanks are recognized by AWWA, and NSF certification is available for potable water applications. Galvanized tanks are suitable for many industrial applications, such as firewater protection, petroleum, fuel oil, process water and wastewater storage. Capacities range up to 9.7 million gallons and are available in AWWA, FM, AISC and other standard code approved designs.

Specifications: Hot dipped galvanized to meet ASTM A123 standards. Zinc weight averages more than 2.0 oz. per square inch (610 grams per square meter). TecStore Galvanized Tanks meet NSF-61 requirements and are suited for a pH range of +6 to 12.

Efficiency **Modular design means faster installation.**

Based on the concept of our premier Aquastore® glass-fused-to-steel tanks, TecStore Epoxy Coated and Galvanized Steel Tanks are shipped as pre-cut and pre-punched finished sheets. The standard sized sheets are fabricated in our ISO 9001 Certified plant for prompt shipment to our Authorized Dealers and International Authorized Sales Outlets. Maintaining a standard inventory and adapting the modular components to each individual application means a more competitively priced tank.

Economy **The benefits of bolted tank construction.**

TecStore Epoxy Coated and Galvanized Steel Tanks can be assembled for much less than comparable traditional field welded tanks. Our factory-trained Authorized Dealer and International Sales Outlet builder crews will assemble your tank quickly and professionally. Proprietary jacking systems minimize worker risk and maximize jobsite efficiency. Bolted construction is far less labor intensive and more economical. TecStore bolted tanks can be ordered, shipped and assembled in considerably less time than traditional welded tanks.

Reliability **The best in the business.**

Best of all, TecStore tanks are designed to stringent AWWA D103 and AISC requirements. We employ the identical structural steel, engineering designs and hardware used in our glass-fused-to-steel Aquastore tanks. And like our Aquastore tanks, they offer the same reliable storage for most applications, including water and waste treatment for industrial and municipal service. The combination of timely delivery, economical erection and durability make TecStore tanks a real value.

Application: BioFuels Facility

Size: (8) 22 x 34 ft. tanks

Location: Pennsylvania



Technical Features and specifications.

SHIPPING TecStore Epoxy Coated and Galvanized Steel Tanks are shipped as precut and pre-punched sheets. The sheets are delivered on special skids. Hardware and small accessories are crated. International shipments are containerized or full box crated. Your Authorized Dealer or Authorized Sales Outlet provides complete tank supply and installation services.

SEAMS on TecStore tanks are secured by 1/2"-13 UNC-2A rolled thread bolts. These thin necked zinc galvanized bolts are SAE Grade 8, with a high impact polypropylene copolymer encapsulated bolt head stabilizer with UV materials.

LAP JOINT SEALANT is one component, moisture cured polyurethane compound that cures to a rubber-like state. It has excellent adhesion, low shrinkage and is suitable for interior and exterior use. Both TecStore sealant and bolt heads are certified to meet the ANSI/NSF Standard 61 for indirect additives.

Data Epoxy coated interior coating properties.

Color	Sahara Gold
Total Dry Film Thickness	5 mils (125 microns)
Abrasion Resistance Taber Falling Sand, ASTM D-978	90 mg loss (CS17, 1000 g, 1000 cycles) 28 liters/mils
Corrosion Resistance ASTM B-117 NACE TM-01-74 Procedure B	Less than 1/8" creepage in 4000 hours. Excellent to most caustics, acids, brines, sour crude and other chemicals.
Heat Resistance Dry	300°F (149°C)
Heat Resistance Immersed	140° F to 300° F (60° C to 149° C)

*140° F is a general limit. Specific immersants may have higher limits. Laboratory tests show that this coating is unaffected after 6 months in sour crude at 300° F, 1 year in sour water at 200° F and boiling deionized water.



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