LINED TANKS (CEMENT, EPOXY) CUSTOM

EXTERIOR PAINT

Unless otherwise specified, all vessel exteriors are prime painted before shipment. Prior to being painted, the vessel is cleaned of loose mill scale and rust with power grinders and power wire brushes. The vessel is then painted with one coat of standard shop primer.

Sandblasting and most industrial and military specification exterior coatings are also available. Please consult the factory for this pricing.

HOT DIP GALVANIZING

For many years galvanizing has been popular for protecting steel water tanks. The zinc coating serves in twofold capacity. First, it protects the steel from corrosion as long as the zinc coating is unbroken. Second, due to the fact it is more electro-chemically active than steel, it sacrifices itself to protect the steel vessel even when moderate sized areas of bare metal have been exposed.

Tanks to be hot dip galvanized are thoroughly cleaned; first by dipping in a caustic bath removing grease, oil and dirt, then by being dipped in a 12% solution of sulfuric acid removing rust and mill scale. The vessel is then rinsed and submerged in a liquid flux pre-dip. Finally, the vessel is immersed into the molten zinc at approximately 8500 Fahrenheit to produce the finished product, which meets ASTM specifications.

To have a successful galvanizing job, additional openings may be required which we at the factory can determine. We do not recommend galvanizing for water service when temperatures exceed 1600 Fahrenheit. The largest diameter tank that can be galvanized is 72” OD.

“EPOXOLINE”

This superior tank lining has excellent resistance to corrosive hot water. It is a multifunctional epoxy phenolic resin reacted with a special aliphatic amine adduct. The polymer structure is odorless, tasteless, non-toxic, and has excellent resistance to thermal shock. This durable lining conforms to Title 21 CFR 175.300 US Food & Drug Administration and the USDA equirements for coatings in contact with food and drinking water. Prior to sandblasting, all interior welds are ground smooth to eliminate sharp edges and high spots. The vessel interior is then sandblasted to near-white metal per SSPC-SP-10 and lined with two separate coats of epoxy to produce 8-16 mils total dry film thickness. “Epoxoline” has service capabilities for potable water up to 180° F. dry and wet temperature. This lining will not crack or break during proper installation. For chemical applications, we suggest that you contact the factory for specific data and compatibility.

“CEMENTLINE”

Cement lining is another time tested lining for protection against corrosion in steel hot water tanks. Wendland’s cement lining is specially formulated hydro-plastic cement for withstanding corrosive hot water to 212° Fahrenheit.

Prior to installation, the interior of the vessel is thoroughly cleaned of rust, mill scale and grease. The interior is then covered with a heavy-duty metal lath, which is secured to the vessel walls at 12” centers. The cement is then troweled throughout the vessel to a thickness of 5/8”. This creates a superior and durable lining which can better withstand handling during shipments along with an outstanding lining for corrosive hot water.

JOB NAME _____
LOCATION _____
_____
_____
CONTRACTOR _____
CONTRACTOR P.O. NO. _____

ITEMS	QUANTITY

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