Tarsco Bolted Tank®
a TF Warren Company

5897 Highway 59
Goodman, MO 64843

Technical Data Sheet - Coating

Tarsco Bolted Tank's epoxy coating is designed for corrosion protection in storage tanks. The epoxy is electrostatically applied to preheated steel as a dry powder which melts and cures to a uniform coating thickness. This bonding process provides excellent adhesion and coverage.

Chemical Resistance

- Municipal water
- Potable water
- Demineralized water
- Sea water
- Drilling mud
- Waste water
- Treated water
- Reverse osmosis water
- Crude oil
- Diesel
- Engine oil

Our epoxy coating is approved by the United States Environmental Protection Agency and United Kingdom National Water Council acceptable for use as a coating in contact with potable water. It also meets the requirements of American Water Works Association Standard C213 and C550.

Physical Properties

- pH range: from 3 to 14
- Temperature limit: 200°F (93° C) immersed 300°F dry (149°C)
- Impact resistance: ASTM D 2794 / 160 lbs-inch (direct and reverse).
- Flexibility: exceeds the requirements of ANSI codes B31.4 and B31.8

Quality Control

Parts are subjected to a thorough quality control evaluation with a high voltage defect testing procedure (holiday free test / 1100 V). This will identify any holidays, inclusions and thin areas in the coating. Coating is measured in random areas of the sheets to assure there is a uniform thickness.

Standard Colors

Due to printing limitations, the colors shown here may vary slightly from the actual coating colors.

Forest Green

White

Environmental Green

Cobalt Blue

Caribbean Blue

Tan

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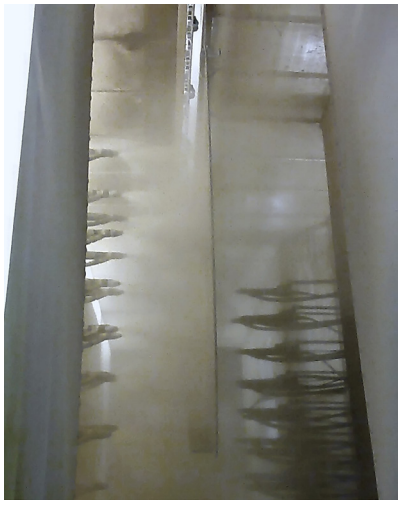
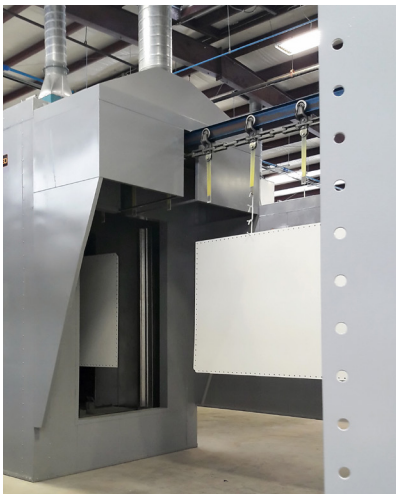
Steps

Step One
The parts and sheets are degreased. Surfaces are blasted with engineering grit (SSPC-SP 10 near white metal); a rugged 3D surface topography is created for better powder coating adhesion.

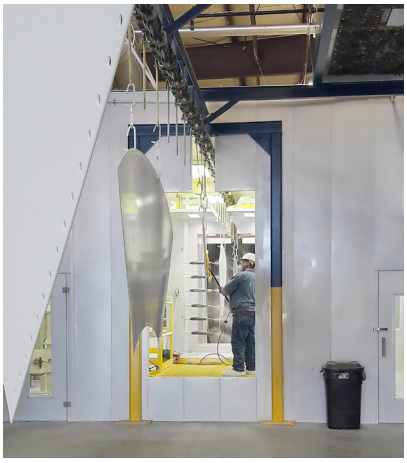
Step Two
Step two is a four-stage power wash machine capable of providing a clean sheet while using an iron phosphate finish.
Stage 1 - Clean
Stage 2 - R.O. Rinse
Stage 3 - R.O. Rinse
Stage 4 - Zirconium



Step Three
Sheets are dried off completely in a gas convection oven to prevent flash rusting before painting.



Step Four
The basecoat is applied with a state-of-the-art powder application coatings system. The technology provides equal paint coverage over the entire sheet. Next, the sheet is cured at a controlled temperature (360°F) to maximize the cross-link bond of the epoxy particles.



- Interior basecoat : 7 mils of DFT average
- Exterior basecoat: 3-5 mils of DFT average

Step Five
The topcoat is applied in the final step and sheets are cured at a controlled temperature of 400°F yielding a final product for high performance and durability.