

# JOPLIN WATER TANK

With a 15-year plus life expectancy, availability in more than 500 colors and superior gloss and color retention characteristics, Tnemec's Series 700 HydroFlon has quickly become the "go-to" coating system for water tanks throughout the country. In 2003, the city of Joplin paved the way for the State of Missouri, becoming the first location in the state to utilize Series 700 for the construction of their new one-million-gallon hydropillar.

The exterior steel of the water tank was prepared in accordance with SSPC-SP6/NACE No. 3 Commercial Blast Cleaning, and primed with Series 91-H<sub>2</sub>O Hydro-Zinc, a moisture-cured, aromatic urethane zinc-rich primer offering superior bonding to steel surfaces that are abrasive-blast-cleaned.

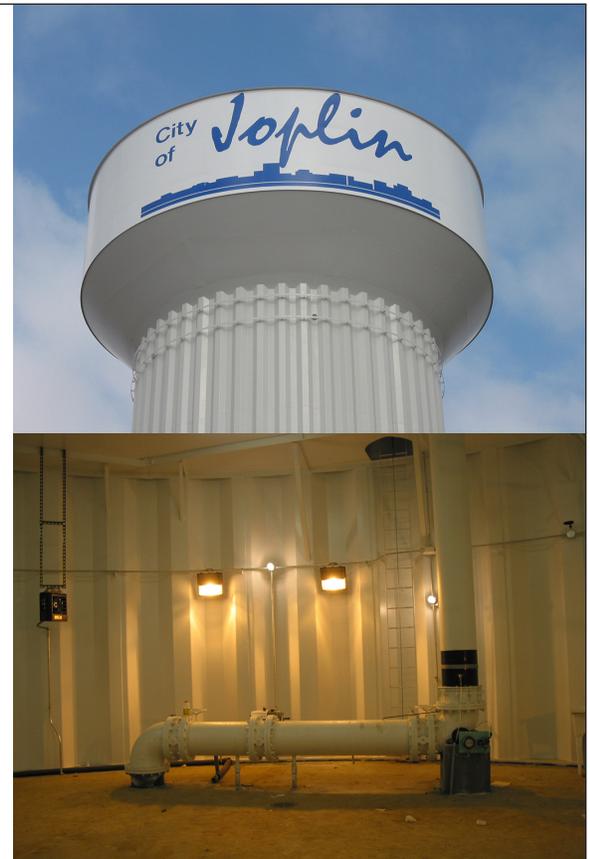
The erected steel was field-coated with an intermediate coat of Series 73 Endura-Shield, an aliphatic acrylic polyurethane providing excellent resistance to abrasion, wet conditions and corrosive fumes. The exterior then received a topcoat of Series 700 HydroFlon, a fluoropolymer polyurethane, completing the coating system.

The tank's interior steel also received a prime coat of Series 91-H<sub>2</sub>O Hydro-Zinc following surface preparation in accordance with SSPC-SP10/NACE No. 2 Near-White Metal Blast Cleaning. Two coats of Series FC20 Pota-Pox, a polyamide epoxy, completed the interior coating system.

"The customer wanted long-term protection along with extended aesthetic value," said Tnemec coating consultant Scott Keilbey. "Series 700 HydroFlon was a perfect fit for the job, and we continue to recommend this increasingly recognized coating system for other water tanks throughout Missouri."

## FEATURED PRODUCTS

- Series FC20 Pota-Pox
- Series 73 Endura-Shield
- Series 91-H<sub>2</sub>O Hydro-Zinc
- Series 700 HydroFlon



## PROJECT INFORMATION

### Project Location

Joplin, Missouri

### Project Completion Date

October 2003

### Owner

Missouri American Water Works Company

### Engineer

Missouri American Water Works Company

### Shop Applicator

Caldwell Tanks, Inc.  
Louisville, Kentucky

### Field Applicator

Utility Service Company  
Proctor, Arkansas

Series 700 HydroFlon was chosen as the Joplin Water Tank topcoat based on its exceptional color and gloss retention.

