TNEMEC®

# WATER TANK PROTECTIVE COATINGS

## PERFORMANCE THAT TOWERS ABOVE THE REST

## WATERTIGHT TESTIMONY

"Tnemec products consistently adhere well and provide lasting protection, which means I don't have to worry about coatings for years to come."

– GERALD W. BEVER
Water & Wastewater Operations
Baxter & Woodman Consulting Engineers

# EARNING THE INDUSTRY'S MOST TRUSTED REPUTATION

A record of superior product performance and development has made Tnemec one of the largest, privately-held coatings companies in North America and the single most reliable resource for protection of concrete and steel potable water storage tanks.

As a result of continuous research, rigorous testing and meticulous refinement, Tnemec offers an extensive line of durable, high-performance products for both interior and exterior tank applications.

Regardless of the conditions – harsh weather, temperature extremes or constant immersion – Tnemec coatings are sure to stand the test of time, lowering maintenance costs and extending the lifecycle of water tanks, which are often the source and symbol of community spirit and pride.

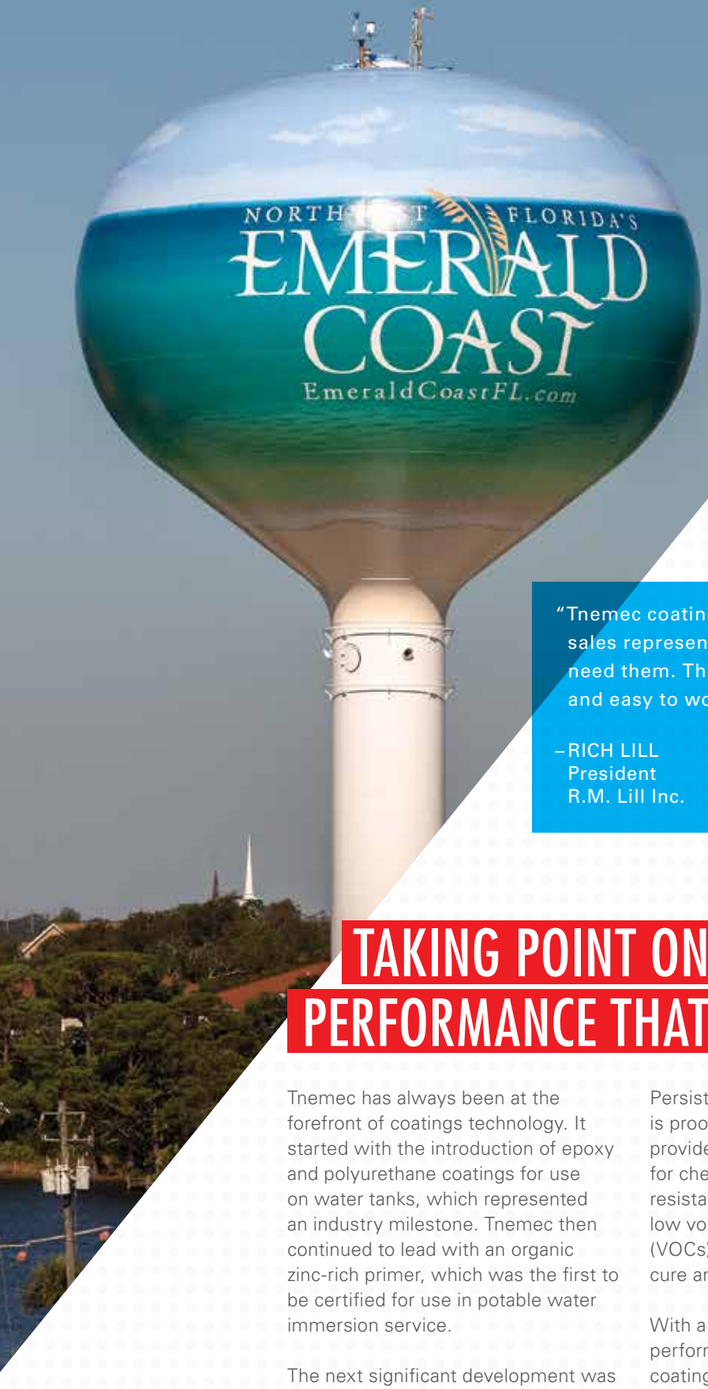
above: 2009 Tnemec Tank of the Year
Dublin, OH



*Of the more than one million tanks in use across America, a large majority utilize Tnemec protective coatings.*


left: 2010 Tnemec Tank of the Year
Newton, KS


right: Greensburg, KS




left: 2012 Tnemec Tank of the Year
Okaloosa Island, FL

## RIGHT. READY ANSWERS

"Tnemec coatings are extremely user-friendly. The sales representatives are always there when you need them. They're very prompt, knowledgeable and easy to work with."

–RICH LILL
President
R.M. Lill Inc.

# TAKING POINT ON INNOVATION FOR PERFORMANCE THAT HOLDS WATER

Tnemec has always been at the forefront of coatings technology. It started with the introduction of epoxy and polyurethane coatings for use on water tanks, which represented an industry milestone. Tnemec then continued to lead with an organic zinc-rich primer, which was the first to be certified for use in potable water immersion service.

The next significant development was the extremely stable chemistry of Tnemec's superior fluoropolymer topcoats. Their innovative formulation prevents colors from fading, retaining their high gloss and vibrancy over extended periods of time.

Persistent research and development is proof of Tnemec's resolve to provide the best possible solutions for chemical, corrosion and abrasion resistance, long-term durability, low volatile organic compounds (VOCs), rapid low-temperature cure and ease of application.

With a proven record of unmatched performance, Tnemec water tank coating systems are truly second to none.



left: Hillsborough County, FL

# DEPENDABLE TECHNICAL SUPPORT AND CONFIDENCE-INSPIRING EXPERTISE

New technology is only part of the story. Tnemec's reliable, performance-driven coatings are backed by unequaled technical support. With an average of 17 years of experience in the industry, Tnemec coatings consultants have the in-depth knowledge necessary to assist customers with coating product and system recommendations to meet their unique environmental and situational needs, and ultimately, provide long-lasting results.

Tnemec coatings consultants are backed by a technical support staff that travels across the country sharing their expertise in product application, analysis and coating evaluation. When they're not in the field, technical staff members are actively involved in industry organizations or working closely with Tnemec's research and development team on new product introductions.


**TEST OF TIME** · The 750,000-gallon standpipe in the city of Winthrop, Massachusetts, presented a challenge when it needed recoating in 1996. Durability and maximum service life were primary requirements for the new coating system. Color and gloss retention were also critical considerations given the standpipe's red, white and blue colors, which are especially susceptible to degradation from ultraviolet (UV) light. After more than 20 years, Tnemec's coating system has endured the harsh exposure in this demanding windswept, salt-air coastal environment.

left: Sumter, SC

# BUILDING IN THE BEST PROTECTION RIGHT FROM THE START

Tnemec is often the coating system of choice for new water tank construction – no matter the structural style, local conditions or other challenges.

To provide the best possible corrosion protection, the first step in the process is applying fast-curing, reliable primers, either in the shop or during on-site construction. Next, a carefully chosen intermediate coat is added to ensure greater long-term durability. Finally, a high-performance finish coat provides seamless coverage, vibrant color and UV-resistant gloss retention for beautiful, visually arresting aesthetics.

# ARTFUL SOLUTIONS FOR EVERY TYPE AND CONFIGURATION OF TANK

In countless communities, where water tanks emblazoned with graphic designs or school logos have become symbols of pride, Tnemec's rich color palette offers creative possibilities to renew the beauty and integrity of an existing tank and leave a lasting impression for many years.

Tnemec coatings consultants can also perform an overcoat analysis that will indicate if the existing paint needs to be removed or if it can support an overcoat. When overcoating is an option, Tnemec offers a variety of effective topcoats, including those with dry-fall characteristics that can be spray-applied at the job site. Whether an overcoat or a complete recoat is needed, your representative will tailor a coating system that will maintain long-lasting performance and aesthetic appeal.

right: Fort Mill, SC




**TEST OF TIME** · At 4.1 million gallons, the hydropillar in Chalfont, Pennsylvania, was the largest elevated tank in the world for potable water when constructed in 2000. So it's understandable that project engineers had great expectations for the exterior coating system from Tnemec with its dry-fall characteristics and long-term color and gloss retention. Today, this landmark continues to make a big impression after more than 15 years.

## *ENDURING SIGN OF QUALITY*

"In my experience, the longevity and performance of Tnemec coatings are superior, which is important, given the high visibility of water tanks."

– BEN WOFFORD
Principal Engineer
Design South Professionals, Inc.

right: Santa Fe, NM

# PRODUCTS THAT STAND THE TEST OF TIME – EVERY TIME

Tnemec interior coating systems represent the most comprehensive NSF/ANSI Std. 61 selection in the industry and include liners that can be applied and cured at low temperatures. Whenever specifications require incredible longevity and protection for the tank's exterior, Tnemec zinc-rich primer, polyurethane and fluoropolymer technologies are considered the standard for the industry. Many of these coating systems conform to the American Water Works Association (AWWA) D102 Standard for Painting Steel Water Storage Tanks. Tnemec also offers VOC-compliant coating systems that meet every air quality regulation in North America.

## *GREAT RESULTS, MANY TANKS*

"HydroFlon is a top-of-the-line coating for water storage tanks. We've applied the product on numerous jobs and couldn't be more pleased with the results."

– STEVE BREND, JR.
President
Jetco, Ltd.

above: Tank Interior
Rosemont, IL

**TEST OF TIME** · Back in 2001, the 500,000-gallon composite elevated tank in Granbury, Texas, became the first water tank in the United States to receive an exterior finish coat of Tnemec's high-performance fluoropolymer coating, Series 700 HydroFlon. After more than fifteen years in the hot Texas sun, the finish coat still holds its luster with the town motto, "Where Texas History Lives," drawing people into the city's historic square to visit the many other historic landmarks.




left: Puyallup, WA

# INDUSTRY-LEADING PRODUCTS ONLY FROM TNEMEC

### HYDRO-ZINC®

Over 10,000 tanks have been coated with Hydro-Zinc since its introduction in 1997. The first organic zinc-rich primer to be NSF/ANSI Std. 61 certified for use in potable water immersion, Hydro-Zinc has demonstrated unparalleled long-term corrosion protection for both the interior and exterior of steel water tanks. It is compliant throughout North America with versions featuring low HAPs levels and less than 100 grams per liter VOCs.

### HYDROFLON®

This exterior finish coat, introduced for use on water tanks in 2001, is known for its outstanding resistance to UV light degradation, unprecedented long-term color and gloss retention, and excellent resistance to abrasion and chalking. HydroFlon's advanced generation fluoropolymer technology vastly exceeds the life expectancy of traditional polyurethane topcoats. This extends time between maintenance cycles, thereby reducing future repainting costs. HydroFlon is also available in a low-VOC formulation that is compliant with even the most stringent air pollution regulations.

### UNI-BOND MASTIC

Formulated specifically to overcoat sound rusted steel and aged coating systems, Uni-Bond Mastic provides high-build, elastomeric protection for water tank exteriors. Ideal for projects where minimal surface preparation is possible, this mastic acrylic coating forms a tough, flexible and impact-resistant film that is compatible with a variety of high-performance topcoats, including fluoropolymer finishes. Additionally, this product is low VOC, low odor and "dry-fall" capable, making it more convenient to apply in occupied areas.

### EPOXOLINE®

Protecting tanks all over the country, this next-generation 100% solids epoxy liner is built to fight corrosion in steel and concrete tanks containing potable water. With a robust formulation that can stand up to harsh chemicals and water immersion alike, Epoxoline offers a high-build film and is available with fast-cure capabilities for quick return to service. The product is NSF/ANSI Std. 61 certified and meets the strictest requirements for coating exactable levels in drinking water.

right: Plant City, FL


left: 2015 Tnemec Tank of the Year
Cocoa, FL

right: 2011 Tnemec Tank of the Year
Hollywood, FL


left: 2016 Tnemec Tank of the Year
Ann Arbor, MI

TANK of the YEAR
TNEMEC

# THE HEIGHT OF ACHIEVEMENT – TANK OF THE YEAR

Water tanks are not only functional, they're iconic – emblematic of a community's or district's sense of camaraderie and self-expression. It is for this reason that, each year, Tnemec names a "Tank of the Year" winner, recognizing and celebrating the aesthetic, creative and innovative applications of Tnemec coatings on water tanks. New construction or renovation projects may be nominated, and all tank styles are eligible.

If you would like to nominate a favorite water tank, contact your Tnemec coatings consultant, or visit tnemec.com/tankoftheyear.


right: 2013 Tnemec Tank of the Year
Mt. Vernon, IL



## DUE RECOGNITION

"We had great community support with this project and have received many compliments and inquiries from other villages. We're delighted to receive this national recognition."

– JIM BOWLES
Superintendent of Sewer and Water
Village of Lake Villa
*2008 Tank of the Year Winner*


right: 2014 Tnemec Tank of the Year
Midland, TX


## DESIGN YOUR WINNING WATER TANK ONLINE

Utilize our innovative, web-based design tool to select tank styles, choose from a wide palette of colors, and add graphics, text and a logo. Then view it in a virtual environment from different perspectives to get a more accurate visualization of the finished design.

VISIT TNEMEC.COM/TANK3D

Front Cover Project: Mount Jackson, VA

TNEMEC®

*INNOVATION IN EVERY COAT™*

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