PROTECTIVE COATINGS FOR DEMANDING ENVIRONMENTS
ABOUT TNEMEC COMPANY

Tnemec’s reputation for innovative, high-performance coatings has made it a recognized leader in the manufacturing of industrial and architectural coatings for new construction and maintenance. A simple discovery in a pile of concrete rubble in 1921 was the start of one of the largest privately-held coatings manufacturers in North America.

Tnemec manufactures more than 150 industrial and architectural coatings. Formulated specifically for extreme durability, enduring performance and enhanced aesthetics, Tnemec coatings continually prove to stand the test of time. The company maintains its strengths through innovative and creative research and development for superior performance and leading technology. The product line includes coating protection for a number of different industries including water storage tanks, water and wastewater treatment, specialty architectural, industrial, and processing and manufacturing. Complete service from the most knowledgeable sales representatives throughout North America and strategic global locations, rounds out Tnemec’s high-performing product offerings with solid product support from project start to finish.

Tnemec Company has manufactured protective coatings for nearly a century.
THE HISTORY

In 1921, Albert C. Bean, Sr. made an unusual discovery that marked Tnemec’s beginning — a reinforcing bar in the midst of concrete rubble that hadn’t rusted in decades. He discovered the alkaline conditions of the cement inhibited rust and he used this information to patent a revolutionary coatings formula. As a tribute to this discovery, he reversed the letters of cement and changed the name of his company from Armor Oil and Chemical to what it is known as today, Tnemec.
Tnemec offers a complete line of interior and exterior architectural coating solutions for protection against corrosion, impact and abrasion, all while beautifying and preserving architectural designs for years to come. Tnemec coatings offer industry-leading protection for concrete, steel, masonry and dry wall. Also available from Tnemec are the StrataShield line of protective coatings for floors and walls and the Chemprobe line of water repellants and stains for exterior applications.

Tnemec’s architectural products provide high-performance protection on the inside and outside of schools, hospitals, correctional facilities, commercial businesses, parking garages and sports facilities, among many other types of buildings. They offer exceptional life-cycle value by protecting structural integrity while enhancing the aesthetics of these structures.

With the high quality combination of electronic color equipment and a staff of color experts with many years of experience, no color request is too much for Tnemec’s color matching capabilities. Along with hundreds of available standard colors to choose from, precision color matching is offered to fit the desires of any project owner. For projects requiring strict air quality compliance, Tnemec offers low-VOC, low odor and low-HAPs products. Many of Tnemec’s performance driven coatings even help buildings meet LEED certification criteria. And as with any Tnemec product, expert coating consultants are always available to share their knowledge and offer product recommendations and support.

**TOP PRODUCTS**

- **Series 90-97 Tneme-Zinc** — Aromatic Zinc-Rich Urethane
- **Series 156 Enviro-Crete®** — Modified Waterborne Acrylate
- **Series 1070 Fluoronar®** — Advanced Thermoset Solution Fluoropolymer
Temperature swings, violent weather, ultra-violet light and constant immersion are no match for coatings offered by Tnemec for water storage tanks. All tank styles, from elevated to ground storage, can benefit from Tnemec protective coatings inside and out. After more than half a century in the water tank market, Tnemec has gained the trust of tank owners, engineers, fabricators and painting contractors. They know Tnemec will deliver protective coating systems for steel and concrete storage tanks that will perform beyond industry standards and last for the long haul.

Tnemec’s high-performance protection for tanks includes coatings for interior immersion, which are certified according to NSF/ANSI Std. 61 for use in potable water. Coatings for the exterior include the industry’s most advanced fluoropolymer and polyurethane topcoats, epoxy coatings and zinc-rich primers. The chemistry in Tnemec’s fluoropolymer topcoats offer the highest level of protection and prevents even the most vibrant colors from fading while retaining gloss over an extended period of time.

Tnemec’s water tank coatings are suitable for new construction and maintenance. They have been used to turn the most mundane of water tank structures into outstanding pieces of art, sources of community pride and landmarks for entire regions, many of which have received awards from Tnemec’s annual Tank of the Year contest. Tnemec coating consultants will tailor a specific coating system that offers performance and aesthetic capabilities that are measured in decades.

**TOP PRODUCTS**

- **Series FC22 Epoxoline** — Modified Polyamine Epoxy
- **Series 91-H₂O Hydro-Zinc™** — Aromatic Zinc-Rich Urethane
- **Series 700 HydroFlon** — Advanced Thermoset Solution Fluoropolymer
above: Port Neal Power Plant
Sioux City, IA

right: Tobin Bridge
Chelsea, MA

left: CITGO Petroleum Lake Charles
Manufacturing Complex
Lake Charles, LA
Tnemec offers a broad spectrum of industrial coatings for everything from petrochemical processing to power generation and pulp and paper mills. No matter the conditions or the environment, Tnemec has the expertise and technology to provide industrial coatings that will protect structures against corrosion, abrasion, weathering and chemical abuse. Industrial protective coatings extend the lifecycle of industrial facilities by protecting the inner and outer workings from the elements and the effects of harsh conditions.

Whether it’s for new construction or maintenance, Tnemec steel and concrete industrial coating systems offer durability, quality and fast installation – that means lasting protection while minimizing losses due to downtime.

Tnemec’s protective coatings for industrial facilities include products for fuel storage and chemical containment, durable exterior coatings that withstand fading and weathering, and secondary containment systems for the extreme protection of concrete surfaces.

**TOP PRODUCTS**

- **Tank Armor®** — Epoxy Tank Linings
- **Aerolon®** — Thermal Insulating Coating
- **Series 73 Endura-Shield®** — Aliphatic Acrylic Polyurethane
- **Series 90-97 Tneme-Zinc** — Zinc-Rich Urethane
- **Series 120-5001 Vinester®** — Novolac Vinyl Ester
above: City of Litchfield Water Treatment Plant
Litchfield, IL

right: Hutchinson Water Treatment Plant
Hutchinson, KS
The steel and concrete surfaces in water and wastewater treatment facilities must withstand plenty of abuse. That’s why Tnemec has developed protective coatings that defend treatment facilities against accelerated corrosion. Collection systems, digesters, clarifiers, headworks, ductile iron and secondary containment are some of the applications ideal for Tnemec’s high-performance and durability.

As the recognized leader in the water and wastewater treatment industry, Tnemec goes the extra mile with extensive testing to assure the continual development of high quality, durable products. The Perma-Shield line of fluid-applied coatings was specifically designed to resist the threat of sewer gas permeation in severe wastewater environments.

Tnemec’s high-performance coating systems can provide protective coverage as well as aesthetic enhancement for other facility areas, including buildings, office floors, walls and high-traffic walkways. And for surfaces that come in contact with potable water, Tnemec offers coatings certified according to NSF/ANSI Std. 61 that protect consumer safety in addition to facility integrity.

**TOP PRODUCTS**

- **Series 20 Pota-Pox®** — Polyamide Epoxy
- **Series 218 MortarClad™** — Epoxy Modified Cementitious Mortar
- **Series 431 Perma-Shield® PL** — Modified Polyamine Ceramic Epoxy
- **Series 435 Perma-Glaze®** — Modified Polyamine Epoxy
- **Series 436 Perma-Shield® FR** — Fiber-Reinforced Modified Polyamine Epoxy
Considering the large amount of capital most processing and manufacturing facilities have tied up in infrastructure and equipment, it is essential to preserve structural integrity, increase longevity, enhance aesthetic appeal and keep maintenance to a minimum. Whether food and beverage processing, pharmaceutical manufacturing or maintenance facilities, Tnemec provides the protection to maintain fully functional operations.

Processing and manufacturing facilities face incredible stresses through sustained use, often under extreme conditions. Tnemec’s complete line of coatings protect processing and manufacturing facilities from these strains and extend the life of such facilities. For exterior applications, the Chemprobe line of masonry coating products keeps structures protected and looking great for years. Tnemec’s StrataShield line of floor and wall coatings offer fast cure times and low odor, which limits facility downtime during installation. In addition to withstanding the routine aggressive cleaning found in hygienic food processing facilities, Tnemec coating systems deliver durability against chemical exposure, abrasion and impact.

**TOP PRODUCTS**

Series 115 Uni-Bond DF — Self-Crosslinking Hydrophobic Acrylic

Series 222 Deco-Tread® — Colored Quartz-Filled Modified Polyamine Epoxy

Series 244 Ultra-Tread® M — Polyurethane Modified Concrete

Series 270 Stranlok® — Fiberglass-reinforced Polyamine Epoxy

Aerolon® — Thermal Insulating Coating

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**PROCESSING AND MANUFACTURING**

left: Martec Pharmaceutical, Inc. Kansas City, MO

below: Marathon Cheese Warehouse Marathon, WI

right: Molex Manufacturing Facility Lincoln, NE
Reliable product support, technical expertise and product innovation have earned Tnemec a loyal client base among specifiers, applicators and facility owners.

PRODUCT SELECTION
AND TECHNICAL SUPPORT

Whether you are a fabricator, owner, engineer or applicator, you can be reassured knowing Tnemec’s product line is backed by outstanding technical support in the field and in the laboratory, and by highly knowledgeable customer service representatives.

With many years of experience, Tnemec coating consultants have an in-depth understanding of the products and the requirements for these products in varying environments and on different substrates. They are able to tailor a protective system to match budget and project needs.

Tnemec is there for its customers every step of the way. Through coating selection, cost analysis, performance data preparation and application parameters, support from Tnemec is available leading up to and beyond coating selection.