

ABOVE GROUND

STORAGE TANKS

COMPLETE COATING PROTECTION






PROVEN PROTECTION

Tnemec Company has offered coating solutions for the petroleum and chemical industries for decades. Tnemec's constant development of new technologies has led to the most advanced coatings available for refineries, chemical plants, fuel terminals, biofuel facilities, power plants and specialized aggressive environments. And when it comes to service, Tnemec is second-to-none with industry-leading technical support.

Through product innovation, customer support and technical expertise, Tnemec offers complete protection against corrosive conditions for above ground storage tanks wherever they're found.



Tnemec offers coatings and linings that are specially formulated for the harsh conditions of refineries, fuel terminals and chemical plants. Regardless of the challenges a tank faces, Tnemec has a solution.

INTERIOR PROTECTION

THIN FILM LININGS

Tnemec's thin film products protect against corrosion while complying with Volatile Organic Compound (VOC) regulations. Thin film linings are easily applied using conventional airless spray equipment. They also allow for simple touch-ups and repairs.

Theme-Liner is a tightly cross-linked epoxy for many types of immersion service, including fuel storage and chemical containment, and provides excellent resistance against harsh chemicals and corrosion.

THICK FILM LININGS

Tank Armor epoxy linings provide tanks with excellent resistance to petroleum products, chemicals and abrasion. At 100% solids by

volume, they're low odor and VOC compliant, cure fast for a quick return to service, and can be spray applied in a single, high-build coat by plural component equipment.

A variety of Tank Armor linings are available for applications that take specific factors into account: temperature cycling, vessel design/ accessibility, type of substrate, surface preparation and the storage cargo. If you need versatility in a single product, the Tank Armor line offers multi-purpose linings that can accommodate numerous commodities and operating conditions.

Contact a Tnemec coating consultant for assistance in selecting the appropriate Tank Armor lining for any storage tank project.

For decades, exterior coating systems from Tnemec have extended the service life of aboveground storage tanks in refineries, fuel terminals and chemical plants. Tnemec has built its reputation for advanced technologies that are industry-leading in both performance and ease of application.

Exterior coatings are specially formulated to protect

the outer shell of tanks, piping and exposed structural steel against corrosion, abrasion, ultraviolet (UV) light degradation and weathering. Epoxies and aromatic zinc-rich urethanes can be topcoated with a variety of acrylic, polyurethane and fluoropolymer formulations to provide complete coating systems that offer excellent durability, color and gloss retention and ease of maintenance.

EXTERIOR PROTECTION

ACRYLIC

Tnemec's acrylic coatings offer color and gloss retention with high UV-resistance. They're single component and low in VOC. Acrylic coatings are also easy to clean and touch-up and have dry-fall characteristics which help reduce the potential for overspray on structures and surrounding property. Ideal for new construction or overcoating, acrylics can extend maintenance cycles and be used to freshen the appearance of steel assets.

Products available include Spra-Saf EN and Enduratone, both of which provide long-term protection against weathering and resist mildew.

POLYURETHANE

Tnemec polyurethane topcoats offer great color and gloss retention with long-term durability. They're also splash-, spill- and fume-resistant when it comes to majority of fuels and chemicals.

Endura-Shield topcoats provide resistance to abrasion and weathering. Several formulations are available, including fast curing and advanced UV protection options, as well as gloss and semi-gloss finishes.

FLUOROPOLYMER

Providing unrivaled gloss and color retention, Tnemec's fluoropolymer topcoats have a life expectancy that far exceeds traditional polyurethanes. They make company names and logos highly visible on tanks for years to come. Their durability also makes them a great choice for areas that are difficult and expensive to access, extending the life-cycle of the tank.

Tnemec's HydroFlon provides excellent resistance against abrasion and chalking. This makes it ideal for coastal environments or tanks with long-term maintenance cycles. HydroFlon is available in low VOC versions as well as gloss and semi-gloss finishes.



FLOATING ROOFS

Floating roofs are complex structures and take into account many variables, including the type of product stored, product temperature, flexing and typical weather/environmental conditions. These same variables affect coating selection for floating roofs. High-build coatings with low erosion rates are essential for longer life expectancy. Epoxies chalk at a rate of 1-2 mils per year in some environments, so most coating systems for floating roof exteriors are typically specified at film thickness of 20+ mils.

Themec offers immersion-grade, low-yellowing epoxies for the exterior of floating roofs. A typical coating system includes an aromatic zinc-rich urethane primer and a chemical-resistant, high-build epoxy topcoat. This combination provides superior steel protection and a longer life expectancy thanks to the primer's zinc protection combined with the low erosion and low chalk rate of the high-density, cross-linked epoxy topcoat.

For a consultation on coating floating roofs, contact a Themec representative.





INNOVATION IN EVERY COAT™

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