TNEMEC®

INNOVATION IN EVERY COAT.™

TANK ARMOR®

ADVANCED LINING PROTECTION

LESS DOWNTIME, MORE PERFORMANCE

Vessels holding hazardous materials require a high-performance lining to protect the structure and its contents. Fighting corrosion from the inside out, Tnemec's Tank Armor lining technology is specially formulated as an interior coating for storage tanks and transport vehicles in the oil and gas industry. The extra-durable epoxy linings provide chemical- and abrasion-resistance in the most challenging operating conditions. Tank Armor products offer superior corrosion protection while allowing rapid return-to-service with their high-build application characteristics and the ability to retain thickness over welds, seams and angles.

When it comes to industrial coatings, Tnemec has protected structures in the oil and gas markets for more than a century, and continues to develop its product range to offer the best available tank linings. With many new and improved formulations, the time-tested linings in the Tank Armor series are built to last longer than any other coating systems before them, protecting ground storage tanks, over-the-road transports, chemical processing tanks and more.

PROJECT LIST

TANK ARMOR BENEFITS

- Excellent corrosion protection
- Chemical- and abrasion-resistant
- Low-temperature cure options
- 100% solids formulation
- Single-coat, quick-cure application
- VOC-compliant
- Conforms to API 652

Series 391 Tank Armor is built to resist high concentrations of chemicals that can wreak havoc on transport vehicles.

RECOMMENDED PRODUCTS

SERIES 307, 370, 391

LININGS FOR ACID, FRAC AND MUD TANKS

Owners, fabricators and contractors all benefit from Tnemec's time-tested industrial linings. From their high-build properties to their quick return-to-service times, Tank Armor linings fight corrosion while also limiting downtime.

It takes an exceptionally durable lining to resist concentrated acids and solvent blends used in the upstream process. The robust formulations of Tank Armor linings make them an ideal choice for long-term performance in mud tanks, salt water knockout tanks, acid trailers and frac tanks, with outstanding resistance to abrasion, corrosion and chemical attack.

SOLID PERFORMANCE ALL AROUND

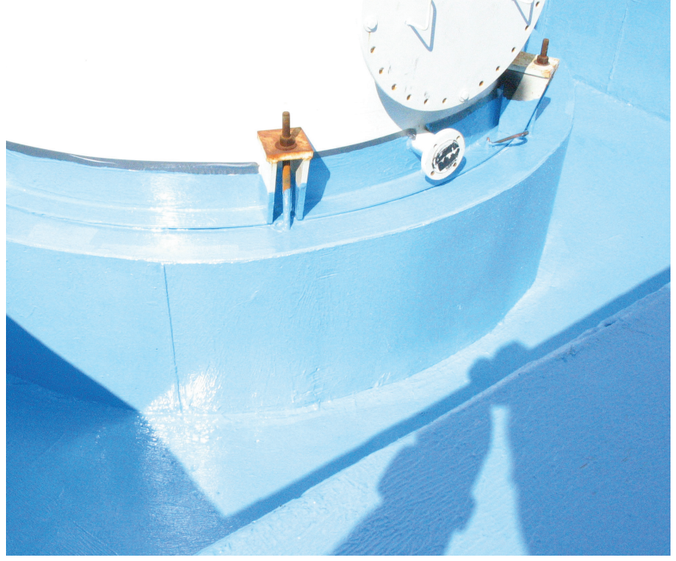
Tank Armor's 100 percent solids formulations allow a significant advantage for tank owners by providing a single-coat, quick-cure application process for rapid return to service. To achieve the same barrier protection as Tank Armor, traditional linings must be applied in multiple coats adding labor costs and extra days of costly downtime.

Furthermore, Tnemec's linings contain no solvent and are VOC-compliant in every air district while being safer to apply. The coatings also feature a tightly cross-linked film that handles the minor movements of ground storage and mobile tanks while acting as a powerful shield against a range of chemicals and fuels.

Series 335 Tank Armor has passed DEF testing, tested in accordance with ISO 22241 for its compatibility with AUS 32. Its thick film also showcased excellent performance during steamout testing, mimicking the 20-year cleaning cycle for a pressurized vessel.

RECOMMENDED PRODUCTS

SERIES 307, 322, 335, 350, 351 AND 365



Tank Armor products have been tested in accordance with the MIL-PRF-23236C Edge Retention Test and maintain at least 70% of the film thickness around edges. Coatings that provide good coverage over these edges and protrusions – places where corrosion and coating failures tend to originate – will maintain barrier protection and help prevent costly repairs.

LININGS FOR STORING AND TRANSPORTING FUEL

Crude oil, refined fuels and petroleum by-products of refining present very unique containment challenges. Tank Armor linings form a formidable barrier to prevent severe substrate degradation, which could leave the owner paying for costly repairs.

Tnemec has served the oil industry for decades, developing a wide variety of coatings and linings based on the severe exposures in this market. Whether in the oilfield or in transport, thick-film Tank Armor epoxy linings will improve a tank's long-term performance in both full immersion and partial contact situations.

LININGS FOR CHEMICAL PROCESSING

Not many exposures are as extreme as chemical holding tanks. Tanks, piping, and secondary containment structures holding petroleum byproducts, including diesel, biodiesel, gasoline, kerosene and various solvents, require tough thick-film coating protection.

Each Tank Armor lining is formulated to resist chemical attack, protecting valuable assets from accelerated corrosion.

SERIES 307

Versatile, high-build, epoxy lining applied in a single coat by plural component equipment. Series 307 provides corrosion control in tanks handling brine water, drilling mud, mild temperature backflow, and a wide range of chemicals.

DATASHEET

SERIES 322

High-build epoxy lining formulated to protect the interior of steel storage tanks and vessels. Series 322 can be applied using single-leg airless spray equipment.

DATASHEET

SERIES 335

Thick-film epoxy lining that provides protection against corrosion in finished fuels, sweet/sour crude and brine immersion exposures. Offers additional performance in these environments with low temperature cure capability.

DATASHEET

SERIES 350

A thick-film, modified phenolic epoxy lining with high cross-link density for storage and process tanks.

DATASHEET

SERIES 351

100% solids flexible polymer formulated for general use as a trowel grade filler/surfacer for steel. Series 351 provides protection against chemical attack and environmental degradation.

DATASHEET

SERIES 365

A thick-film, highly cross-linked novolac epoxy lining for severe chemical immersion.

DATASHEET

SERIES 370

Polyamine epoxy lining formulated for corrosion control and aggressive chemical immersion in pressurized vessels, pipelines, and storage tanks. Series 370 can be applied using single-leg airless spray equipment.

DATASHEET

SERIES 391

Internal epoxy lining formulated for aggressive chemical immersion and corrosion control of acid and frac tanks. Series 391 provides increased protection in exposures with elevated temperatures.

DATASHEET

HELP WHEN YOU NEED IT

For assistance choosing one of Tnemec's Tank Armor lining systems, contact your local Tnemec representative at tnemec.com.

With the reliability of Tank Armor and the support of Tnemec technical service and your local representative, confidence is simply a phone call or click away.

FIND REP

NOTE: Chemical mixtures and alternating chemical storage can aggressively degrade a coating or lining system. Prior to coating selection and application, the expected chemical exposures and sequence of chemical storage should be discussed with Tnemec Technical Service to ensure the proper coating is selected.

Tnemec Company, Inc. 123 West 23rd Avenue, North Kansas City, MO 64116 USA +1 816-483-3400 marketing@tnemec.com tnemec.com