



INNOVATION IN EVERY COAT.™

COATINGS AND LININGS FOR MARINE ENVIRONMENTS

HIGH-PERFORMANCE ASSET PROTECTION



MARINE COATING PROTECTION FROM SHIP TO PORT

Tnemec Company, Inc., headquartered in Kansas City, Mo., has spent the last 100+ years protecting surfaces and structures around the world from corrosion with high-performance coatings and linings. We know our customers value the protection our systems provide to their vessels and equipment, and this is why we formulate the best-performing products that will keep your vessel on the water. And every order we manufacture is delivered with the expertise of our veteran team and the long history of proven performance they carry with them.

Founded in 1921, Tnemec (pronounced tuh-KNEE-mick) is one of North America's largest privately held protective coatings manufacturers. The name derives from reversing the word "cement" which was the inspiration of the company founder who discovered the natural alkalinity of cement acted as an effective corrosion inhibitor when combined into a coating formulation.



PERFORMANCE MATTERS

Tnemec ensures that every product offered by our company is well-suited to exceed expectations in its intended exposure. Using only high-quality binders, resins, and pigments, Tnemec products are formulated, and have been proven, to perform both in the lab, and most importantly, in the field. Our company tests and retests every product to qualify each coating's ability to resist corrosion, UV light,

abrasion, and other causes of coating degradation so you can have the confidence that your vessel will be protected.

We know asset protection is what matters most for our customers, and that's exactly why we believe that formulation matters, testing matters, and, above all else, **performance matters**.

From bow to stern, shipyard to port, Tnemec coatings protect vessels and coastal structures and help them retain their longevity and brilliance in the toughest environments. We offer a full range of coatings for both vessels and the marine environments they service. From our anti-corrosion primers to the unmatched color and gloss of our finish coats, Tnemec provides the performance needed to keep your assets working and looking great for the long haul.



[LEARN MORE](#)



PRIMERS BUILT FOR LONGEVITY

A protective primer is the first line of defense to preserve your assets. Choosing the correct primer for your project is key to your project's long-term success. No matter what your need is, Tnemec has you covered.

Restricted to minimal surface preparation? Tnemec has you covered with a variety of surface-tolerant options. Trying to apply the product to cool and/or damp surfaces? Tnemec has you covered there,

too. Need a coating that can be put into immersion service in 24 hours? Once again, Tnemec has you covered. Following is a sample of our most popular primers for marine service.

ABOVE This deck cargo barge received a spot coat and a prime coat of Series N69 High-Building Epoxoline II, as well as a polyurethane finish coat above the waterline.

Series N69/N69F Hi-Build Epoxoline® II

An advanced-generation epoxy for the protection and finishing of steel and concrete in marine environments. It has excellent resistance to abrasion and is suitable for immersion as well as chemical contact exposure. Low VOC and fast-cure options are available. Surface tolerant capabilities when blasting is not permitted.

Low VOC / Immersion service / Fast cure options

Series 90-97 Tneme-Zinc

An advanced technology, two-component, moisture-cured, zinc-rich primer providing extraordinary performance. Its rapid cure allows for same-day top-coating, while its dry-fall properties help reduce overspray and simplify cleanup.

Corrosion protection / Rapid cure / Dry-fall capabilities

Series 90G-1K97 Tneme-Zinc

An advanced technology, single-component, moisture-cured, zinc-rich primer providing extraordinary performance, user-friendly and easy application.

Corrosion protection / Single-component / User-friendly

Series 132 ProTuff Mastic

A versatile, high-build, surface-tolerant epoxy designed for application over tightly adhered light corrosion and marginally prepared or previously coated steel, or as a primer/intermediate coat under weatherable finishes. Series 132 may be applied at low temperatures, over dew point conditions, and on damp surfaces. Good for maintenance and new construction applications.

High-build / Surface tolerant / Low temperature applications

Series 142 Tneme-Liner

An abrasion-resistant, high solids, epoxy coating which offers high-build edge protection and excellent corrosion resistance. Contains glass flake and aluminum oxide for improved film integrity. For use on steel structures in marine environments.

Abrasion and corrosion resistant / High-build edge protection

Salt Fog Testing ASTM B 117



RIGHT During salt fog testing (ASTM B 117) Tnemec's zinc-rich primer, Tneme-Zinc, exhibited no blistering, cracking or delaminating after 50,000 hours exposure, with little creepage at the scribe and no more than 1% rusting.

Subjected to the same test, two coats of epoxy lasted through 6,700 hours while the MIO/zinc prime coat exposed to 10,000 hours showed 1/64" creepage and 3% rusting on the plane.

PREMIER FINISH COATS

For decades, Tnemec has been known for our high performance finish coats and their ability to retain color and gloss better than other products. With a focus on abrasion, UV, and chemical resistance, as well as durability, Tnemec is able to ensure your vessel's coating systems will stand the test of time.

We are very proud of the fact that our coatings outperform industry standards, both in the lab and on the water, with the data to prove it.

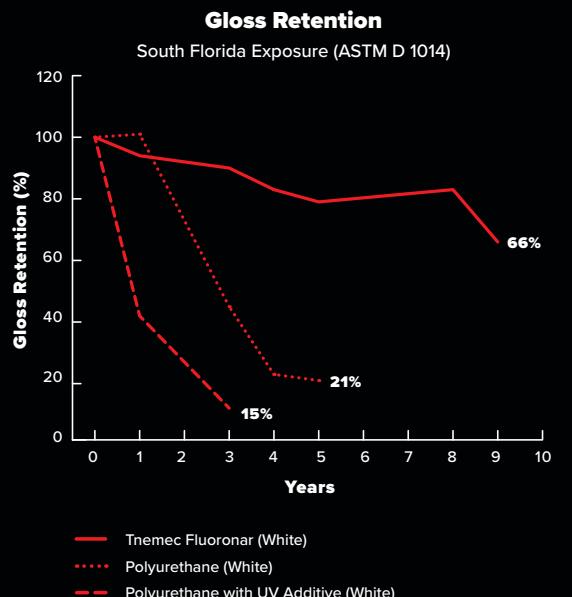


PROJECT DETAILS

Series 1070 Fluoronar®

A high-solids fluoropolymer coating that provides an ultra-durable finish with a user-friendly application. Outstanding resistance to ultra-violet light degradation provides unprecedented long-term gloss and color retention with excellent resistance to abrasion and chalking. It is aesthetically pleasing and recommended for coastal environments and structures where extremely long-term maintenance cycles are desired.

Exceptional color and gloss retention / User-friendly / Abrasion resistant



Series 1090 Endura-Shield®

A fast-setting aliphatic polyurethane coating designed for versatility. Provides excellent color and gloss retention, delivering superior performance in industrial, coastal, and marine environments. Durable, abrasion-resistant film provides unique protection in the most severe service conditions.

Excellent color and gloss retention / Fast-drying / Applicator-friendly

Series 690 Siloxilon

An advanced technology finish coat combining low VOC with exceptional performance. Offers superior color and gloss retention for long-term aesthetics on exterior applications to steel and other substrates in commercial, industrial, and marine environments. The smooth and durable film stands up to abrasion and exterior weathering.

Excellent color and gloss retention / Low VOC / Smooth and durable film

ABOVE Tnemec's premier fluoropolymer topcoat, Fluoronar, shows excellent gloss retention (66%) after 9 years of South Florida exposure (ASTM B 117) compared to a polyurethane and polyurethane with UV additive.

Note: Data derived from internal Tnemec testing.

Series V290 CRU

Extremely hard, chemical-resistant urethane coating for applications in marine environments with excellent resistance to abrasion, washdown conditions, corrosive fumes, and chemical contact. Ideal finish coat for interior or exterior decks.

Durable / Chemical- and abrasion-resistant / Good gloss retention



LININGS FOR TANKS AND VESSELS

Tnemec has always been at the forefront of coatings technology when it comes to coating or lining tanks of any kind. Our resolve to provide the best possible solution for chemical, corrosion, and abrasion resistance is evident in our tireless research and development within the tank industry and in everything we do. Tnemec has pioneered the industry standard in zinc-rich primer technology of the potable water industry and strives to extend

service life by focusing on the importance of stripe coating and edge retention during application. You can trust Tnemec to get the longest service life out of any of your vessels, tanks, or holds.

ABOVE The scrubber tanks on this 750 foot bulk carrier are protected by Tnemec coating systems.

Series 21 Epoxoline®

High solids, immersion-grade coating offering exceptional build per coat for long-term corrosion resistance. Suitable for marine environments, it can be used on the interior and exterior of steel tanks, reservoirs, pipes, valves, pumps, and equipment, as well as other steel and concrete substrates. NSF Certified for potable water service.

High solids / Corrosion resistant / Exceptional build per coat / NSF Std. 61-Certified

Series 22 Epoxoline

An advanced generation, 100% solids, high-build epoxy for the protection of steel. It provides excellent resistance to abrasion and is suitable for immersion service in potable water environments. A specialized curing mechanism allows for a faster cure response with airless spray application. Also available in a fast cure, 24-hour return-to-service option. NSF Certified for potable water service.

100% solids / Abrasion resistant / Fast cure option / NSF Std. 61-Certified

Series 132 ProTuff Mastic

A versatile, high-build, surface-tolerant epoxy designed for application over tightly adhered light corrosion and marginally prepared or previously coated steel, or as a primer/intermediate coat under weatherable finishes. May be applied at low temperatures, over dew point conditions and on damp surfaces. Ideal for use in corrosive, damp, or immersion environments including coastal and marine structures.

Surface tolerant / High-build / Maintenance and new construction

Series 141 Tneme-Liner

This high-solids coating offers high-build edge protection and excellent corrosion resistance. For use on the interior and exterior of various areas in a vessel including ballast, wastewater, and other tanks. It provides excellent resistance to abrasion and is suitable for immersion service in non-potable water, crude oil, and finished fuels.

High build edge protection / Corrosion resistant / Abrasion resistant

NSF/ANSI/CAN 600 On January 1, 2023, NSF implemented new extraction criteria for xylene, ethylbenzene and toluene. The extraction criteria found in the NSF/ANSI/ CAN Std. 600 (NSF 600) reference standard requires all coatings in contact with potable water to meet new, lower extraction levels. These new limits impact product offerings from most coating and lining manufacturers, and only Std. 61 certified coatings with extractables of xylene less than 0.09 mg/L, ethylbenzene less than 0.14 mg/L and toluene less than 0.06 mg/L, are certified for use on potable water structures and components.

Tnemec was well-prepared for these changes and has many full coating and lining systems that comply with the updated NSF extraction criteria, including coating systems that have been applied to potable water tanks and piping for decades. New, innovative, low-VOC products formulated to perform like previous technologies are also available.

LEARN MORE

ANTIFOULING COATING SYSTEMS

Every boat owner knows the trials and tribulations of fouling. If you don't address it, layers of slime and marine growth can increase fuel consumption, affect your top speed, and make the boat harder to maneuver. To combat the overall degradation of your vessel's exterior and aesthetic, Tnemec offers coatings specially designed for antifouling.

Series 195 HullClad CU

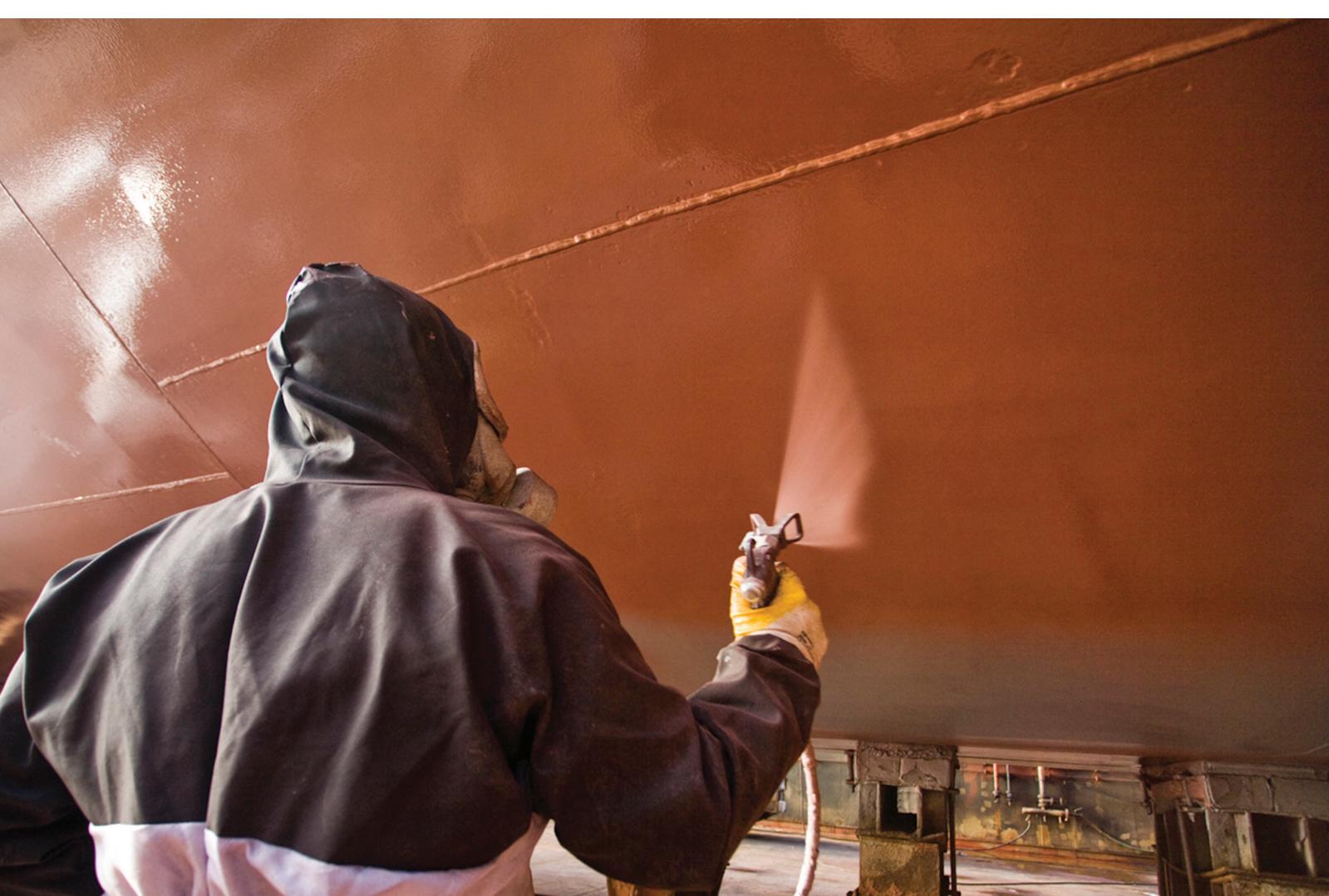
An antifouling paint designed for extended protection against marine growth and organisms. Series 195 is self-polishing and provides advanced fusion technology during operation. This combination results in long-lasting antifouling performance and extended drydock interval.

Extended antifouling protection

191 HullClad TC

An epoxy primer with excellent water and seawater protection. Used as an anti-corrosive tie coat within an antifoul system to give extended recoat windows.

Anti-corrosive / Extended recoat window / Seawater protection



ANTI-CONDENSATION PROTECTION

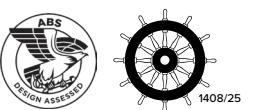
For over a decade, Tnemec's Aerolon® brand of coatings has been the leader in controlling unwanted condensation and protecting their customer's assets in various types of applications around the world. Building off that technology, Tnemec is introducing a new wave of coating technology, Aerolon Marine.

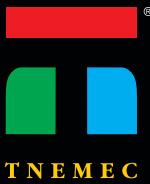
Series 972 Aerolon Marine

A high-build, fluid-applied, anti-condensation coating designed for use on vessel bulkheads, overheads, pipes, and other areas prone to condensation formation. This innovative formulation decreases the extreme temperature variances that many vessels encounter in the

marine environment, helping prevent condensation that can severely impact insulation performance and also lead to mold, mildew, and corrosion. Incorporating the Aerolon Marine coating makes the vessel's entire insulation system more efficient.

Prevents condensation that can lead to mold, mildew and corrosion / Improves insulation efficiency





HELP WHEN YOU NEED IT

With coatings for almost any area of a ship and many viable options for your port equipment, Tnemec can help you keep your valuable assets protected for longer. To learn more about these options or discuss your marine projects with a local Tnemec representative, visit tnemec.com.

Published technical data, instructions and pricing are subject to change without notice. Contact your Tnemec technical representative for current technical data, instructions and pricing. Warranty information: The service life of Tnemec's coatings will vary. For warranty, limitation of seller's liability and product information, please refer to Tnemec Product Data Sheets at tnemec.com or contact your Tnemec technical representative. © Tnemec Company, Inc. 2025 BROMAR PP5001225