

Military Fuel Tanks



You have always protected us. Now let us protect you.

Carboline offers a full range of high-performance products that meet the rigorous standards for use on military fuel tanks. Whether you are lining the interior or protecting the outside from corrosion we've got you covered. Carboline product offerings for military fuel tanks are backed by our best-in-class service and help us meet our goal of always finding a solution.

Our polyamide epoxies, CarboGuard 824 and Carbozinc 85, are verified to meet the performance and formulation demands of MIL-DTL-24441D, making them excellent selections for protecting structures against environmental attack that causes costly corrosion. Our top-of-the-line polyurethane, Carbothane 134 HG, exceeds the performance requirements of military specifications for polyurethane topcoats. These three products, when combined, make an excellent coating system for the exterior of fuel tanks.

Our high-solids coatings, Phenoline 187 UHS and PCS-#1100, meet or exceed relevant military specification demands and are excellent choices for lining fuel tanks. The flexible nature of the PCS-#1100 makes it an ideal solution for bolted tanks as it absorbs the movement associated with these structures while providing excellent chemical resistance.

PCS-#1100

Polysulfide novolac epoxy offers high build protection and flexibility for substrates with high vibration and movement. Approved under UFGS 09 97 13.15.

CARBOZINC® 85

Zinc-filled polyamide epoxy designed for cathodic protection to steel in environments exposed to industrial environments with chemical fumes. NAVSEA QPL Approved under MIL-DTL-24441D.

CARBOGUARD® 824

Polyamide epoxy formulated for use in immersion service; this highly versatile coating is also an intermediate coating for various industrial applications. NAVSEA QPL Approved under MIL-DTL-24441D.

CARBOTHANE® 134 HG

High-gloss aliphatic acrylic polyurethane finish coat with exceptional weathering performance characteristics. Meets the performance requirements of MIL-PRF-85285E, Type II and UFGS 09 97 13.27.

PHENOLINE® 187 UHS

Ultra-high solids amine epoxy specifically formulated to line ballast, oil, and fuel storage tanks. Conforms to MIL-PRF-23236D.

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Quality Product Backed by Quality Service

- › Carboline Company has been solving tough corrosion and fireproofing problems since 1947
- › Industrial service centers and sales offices located around the world
- › Over 20 worldwide manufacturing locations with a global network of sales and technical support
- › Industry leading field service and technical engineering support team
- › Certified to ISO 9001

Coatings Selection

This line of coatings is specifically designed for the challenging demands associated with coating military fuel storage tanks.

Refer to this list and the individual product data pages to make the best choice for you.

PRODUCT	TYPE	APPROVALS	CHEMICAL RESISTANCE	USES
Carbozinc 85	Zinc-rich Polyamide Epoxy	MIL-DTL-24441D Type III, Formula 159.	Good	Exterior of fuel tanks. Primer of coating system for atmospheric service.
Carboguard 824	Polyamide Epoxy	MIL-DTL-24441D Type IV, Formulas 150, 151, 152, 153, 156, 160.	Good	Exterior of fuel tanks, Bilges, Tanks, Underwater Hulls. Intermediate coat for coating system for atmospheric service
Carbothane 134 HG	Aliphatic Acrylic Polyurethane	MIL-PRF-85285E*, Type II and UFGS 09 97 13.27*	Good	Exterior of fuel tanks. Topcoat of coating system for atmospheric service
Phenoline 187 UHS	Modified Epoxy	MIL-PRF-23236D, Type VII, Class 5, Grade C.	Excellent	Lining for fuel and ballast Tanks
PCS-#1100	Polysulfide Novolac Epoxy	UFGS 09 97 13.15	Excellent	Lining for fuel tanks, bolted tanks



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