

# Water & Wastewater

## Coatings and Linings

Superior Protection from Collection to Storage



# Proven Products from the Industry Leader

Solving our customers' problems is how we got started and after 70 years, it's still our focus at Carboline.

# 1947

Since 1947, we have been dedicated to delivering innovative coatings, linings, and fireproofing products. We are driven to provide the best solutions, service, and quality to our customers.



Our customers can be confident that behind every sale is a team of some of the most well-respected members of the industry, dedicated and determined to make your project a success.



Our global network of industrial service centers and distribution points are strategically located around the world to provide the highest level of service and support for your project.



[www.carboline.com](http://www.carboline.com)





Carboline is the leader in the protection of water and wastewater facilities. Our comprehensive product lines offer the right solutions on new construction and maintenance projects for these demanding environments anywhere in the world. Our highly regarded products are fully tested, field-proven, and backed by a team of professionals focused on the needs of the water/wastewater industry.

## Product Line

- › Industry-leading 100% solids technology
- › VOC- and HAPs-free coating solutions
- › Direct-to-metal (DTM) products
- › Ease of application and fast curing
- › Excellent weathering
- › Excellent corrosion and chemical resistance

## Certifications / Listing

- › UL- and NSF-approved products
- › ISO-certified since 1993
- › FDA-compliant

## Affiliations



American Water Works  
Association



## Manholes, Fittings, Penstocks, Piping, Pump Stations, Valves, and Wet Wells

Increasing levels of hydrogen sulfide and various loading parameters have led to cracking and corrosion in manholes, sewer interceptors, and lift stations. Coatings with hydrogen sulfide resistance and dynamic crack bridging capabilities are necessary to restore wastewater infrastructure.

### Reinforced Epoxy Linings:

#### Hydroplate® Linings

Linings designed to coat steel and concrete storage tanks and pipes, valves, and fittings. The Hydroplate series includes single- and multiple-coat linings that offer high-solids, high-build capabilities, fast-cure properties, and the ability for rapid return to service.

#### Plasite® Linings

Ultra-high performance linings that have been developed for extreme chemical exposure, high-pressure applications, and higher temperature service. This series includes single-coat, high-build, solvent-free products with fast-cure properties for rapid return to service.

### Leak Sealing Solutions:

#### Prime Resins®

Single- and multi-component, injectable resins used to stop active water intrusion and inflow and infiltration in water and wastewater or storm sewer structures.

#### Prime Flex® Injectable Grouts

Hydrophilic and hydrophobic polyurethane grouts used for stopping and controlling active water intrusion. With varying levels of reaction or set times, these low- and super-low viscosity solutions are ideally suited for stopping leaks in manholes, pump stations, piping, tunnels, and other infrastructure assets.

### Rapid-Curing Polyureas, Polyurethanes, and Hybrids:

#### Polyclad® Series Polyurethanes

Polyclad polyurethanes are high-performance structural polyurethane coatings. These coatings are used for corrosion protection of steel, ductile iron, and concrete pipelines.

#### Reactamine® Series Hybrid Polyurethanes

Provides both a water- and wastewater-resistant barrier and crack-bridging capability over concrete surfaces. Extreme abrasion-resistant properties with fast-cure capability make Reactamine quite versatile.

### Surface Restoration Products:

#### Carbocrete® Cementitious Mortars

Spray-grade repair mortars and surfacing compounds that exhibit excellent bond strength to concrete. They are ideally suited for substrate resurfacing and waterproofing barriers. They can be topcoated with Carboline linings systems.

#### Carboguard® Cementitious Epoxies

Carboguard cementitious epoxies are high-performance, aggregate-filled reinforced polymer cement mortars designed for resurfacing, patching, or filling voids, honeycombs, and bug holes in concrete.





## Aeration Tanks, Bar Screens, Chemical Storage, Clarifiers, Digesters, Secondary Containment, Grit Tanks, Headworks, Settling Tanks, and Trickle Filters

Specialized manufacturing processes require individualized wastewater treatment procedures. Denitrification, pH adjustments, and heavy metal removal are just a few of the procedures that demand corrosion control solutions.

### Water Immersion Coatings:

#### Carboguard Epoxies

Versatile epoxy products with excellent chemical protection and easy application properties.

#### Reactamine Hybrid Polyurethanes

Provide both a water- and wastewater-resistant barrier and crack-bridging capability over concrete surfaces. Extreme abrasion-resistant properties with fast-cure capability make Reactamine quite versatile.

#### Hydroplate Linings

The Hydroplate series of linings includes single- and multiple-coat solutions offering high-solids, high-build capabilities, fast-cure properties, and the ability for rapid return to service.

### Chemical Resistant Linings:

#### Plasite Linings

Ultra-high performance linings that have been developed for extreme chemical exposure, high-pressure applications, and higher-temperature service. This series includes single-coat, high-build, solvent-free products with fast-cure properties for rapid return to service.

### Secondary Containment:

#### Semstone® Epoxies and Vinyl Esters

Secondary containment coatings protect your concrete surfaces from chemical attack and prevent toxic chemicals from infiltrating the soil or groundwater.

#### Dudick

Dudick coatings and linings are formulated for extreme heavy-duty industrial applications. From high permeation-resistant tank linings to crack-bridging concrete secondary containment systems, Dudick has a solution.



## Interior and Exterior Tanks (Steel or Concrete), and Dam Gates

Atmospheric corrosion and years of continuous use create the need for ultra-durable, high-performance coatings for steel and concrete water tanks. Carboline interior linings are certified to the NSF/ANSI/CAN 61 standard, as well as the health effect requirement set forth in NSF/ANSI/CAN 600.

### Hydroplate Linings

Many of our Hydroplate epoxies are certified for use in potable water. These are thin-film linings that are easy to apply, VOC-compliant, and offer long service life.

### Reactamine Hybrid Polyurethanes

100% solids, single-coat formulations provide both a water- and wastewater-resistant barrier and crack-bridging capability over concrete surfaces. These are certified for potable water use with extremely fast return to service times. Extreme abrasion-resistant properties with fast-cure capability make Reactamine quite versatile.



## Potable Water Ground Storage Tanks and Elevated Storage Tanks

Carboline primers, intermediate coats, and topcoats offer exceptional protection against extreme conditions created by environmental abuse from wind, precipitation, UV, and acid rain.

### Corrosion-Resistant Primers for New Construction and Maintenance:

#### Carbozinc® Primers

Zinc-rich primers with outstanding performance in corrosive environments. They offer excellent sub-film corrosion resistance and longevity to match the life of the structure.

#### Carbomastic® Coatings

High-build, surface-tolerant epoxy mastics with excellent adhesion over rusted surfaces and old coatings providing long-term corrosion protection.

### Weathering Finishes:

#### Carbocrylic® Finishes

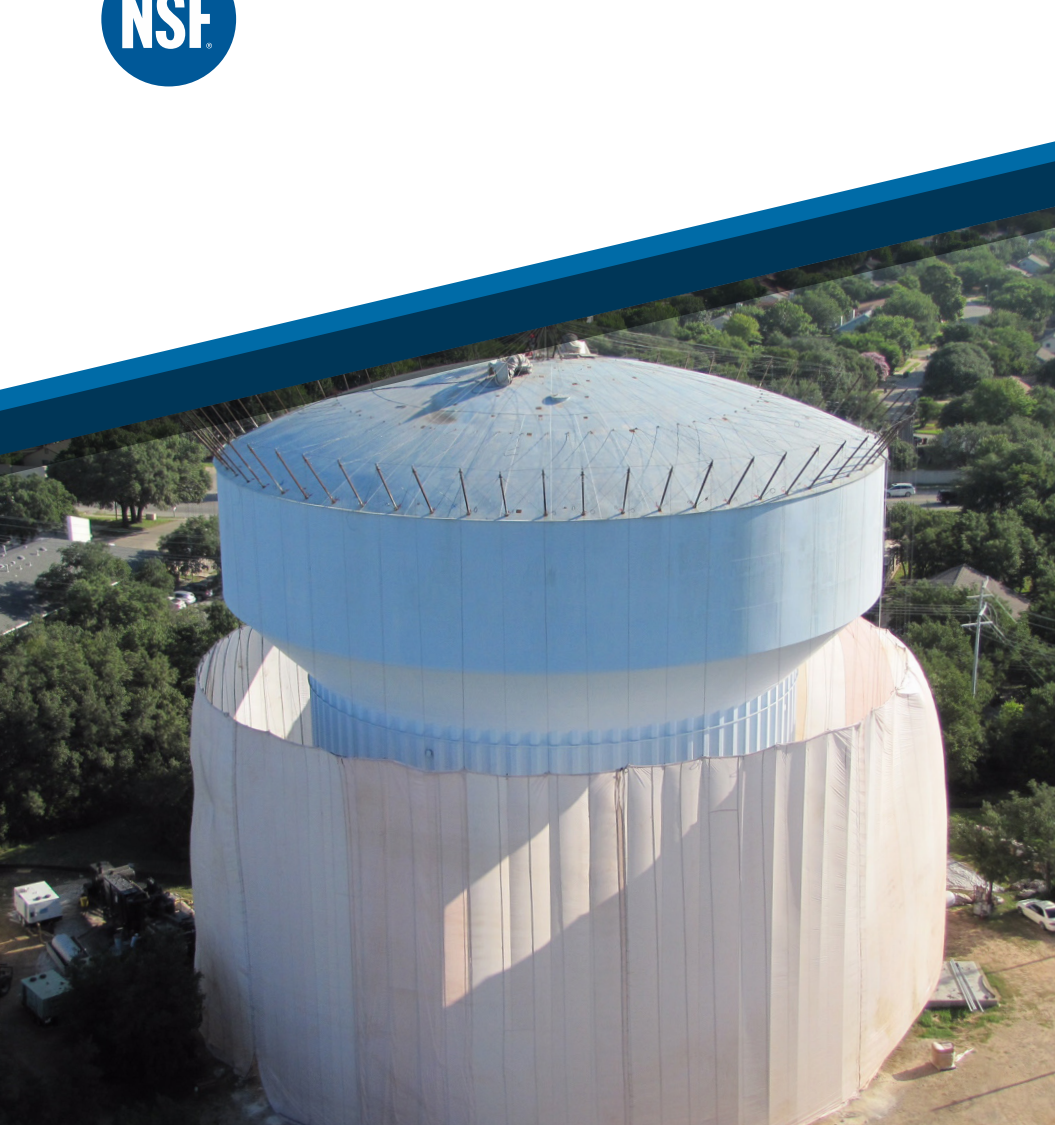
Advanced waterborne and low-VOC acrylic technology with the weathering and chemical performance of solvent-based systems.

#### Carbothane® Acrylic Polyurethanes

These high-performing urethanes provide long-term color and gloss retention as well as chemical resistance to splashes and spills.

#### Carboxane® Finishes

Siloxanes and other ultra-weatherable finishes that provide extreme long-term color and gloss retention due to their outstanding resistance to ultraviolet radiation.



# GLOBAL COATINGS LEADERS™

RIGHT PEOPLE • RIGHT PRODUCTS • RIGHT LOCATIONS

## GLOBAL MANUFACTURING PLANTS

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