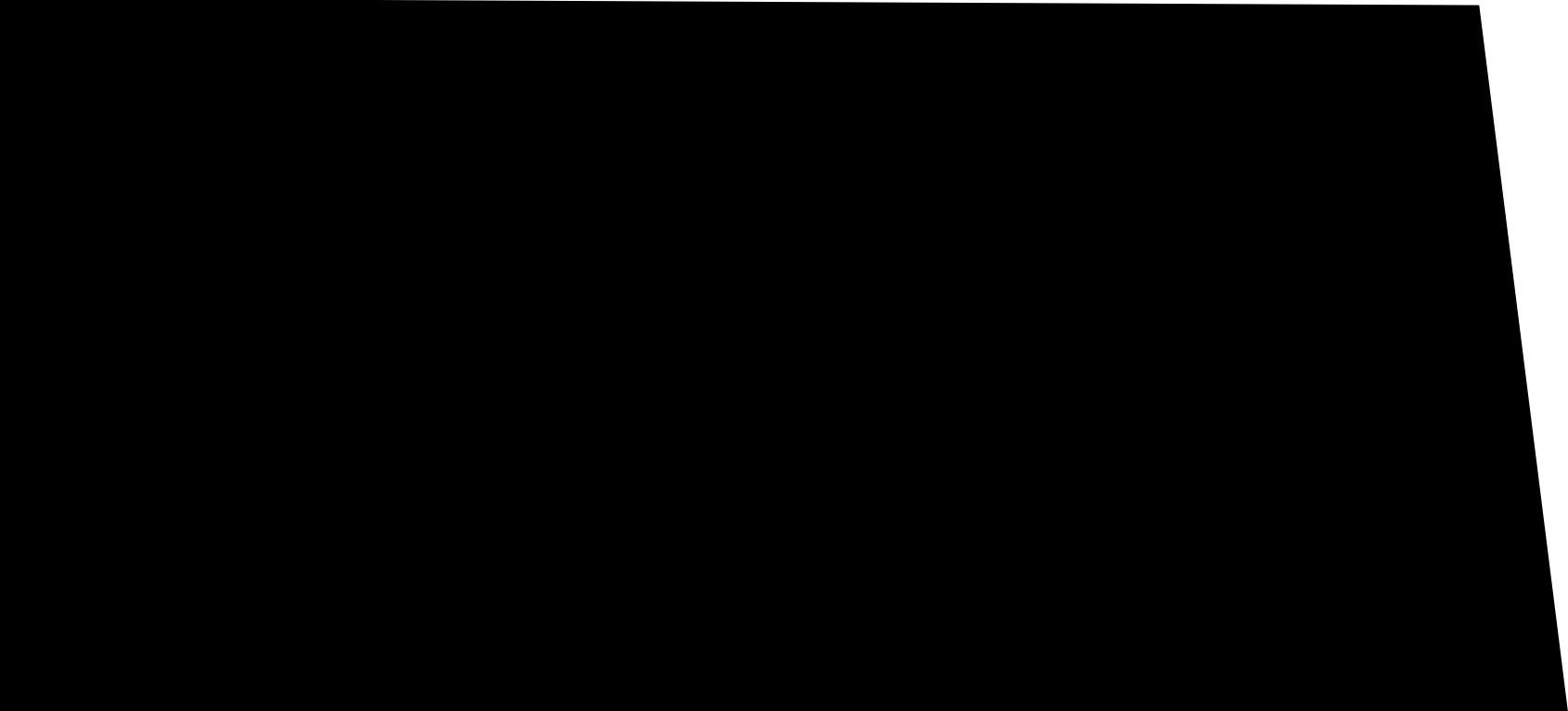


# Water & Wastewater Coatings and Linings

Superior Protection from Collection to Storage





# Proven Products from an Industry Leader

Carboline is the leader in the protection of water and wastewater facilities. Our comprehensive product line offers the right solutions on new construction and maintenance projects for these tough and demanding environments anywhere in the world. Our highly regarded products are fully tested and 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 HAP's 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 certified / approved products
- › ISO Certified since 1993
- › FDA compliant

## Affiliations



## Manholes, Fittings, Penstocks, Pipes, 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 the wastewater infrastructure.

### Concrete Restoration Products:

#### Carbocrete® Cementitious Mortar

Spray-grade, economical, shrinkage-compensated, repair mortar, 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 system.

#### Carboguard® Cementitious Epoxies

Carboguard epoxies include a variety of excellent anti-corrosive barrier coatings with outstanding water resistance. These products are high performance aggregate filled reinforced polymer cement mortar designed for resurfacing, patching and filling voids, honeycombs, and bug holes in concrete.

### Reinforced Durable Epoxy Linings for Severe 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.

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

#### Polyclad® Polyurethanes

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

#### Reactamine® Elastomeric Polyurea

Elastomeric polyureas are ideal for concrete protection against a variety of wastewater and fuel based products due to their crack bridging capabilities and elongation properties.

#### Reactamine Hybrid Polyurethane

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



## 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 which demand corrosion control solutions.

### Water Immersion Coatings:

#### Bitumastic® Coal-tar Epoxy

Coal-tar epoxy has a very long history of use in wastewater exposures and continue to offer long term protection.

#### Carboguard Epoxies

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

#### Reactamine 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 makes Reactamine quite versatile.

### 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.

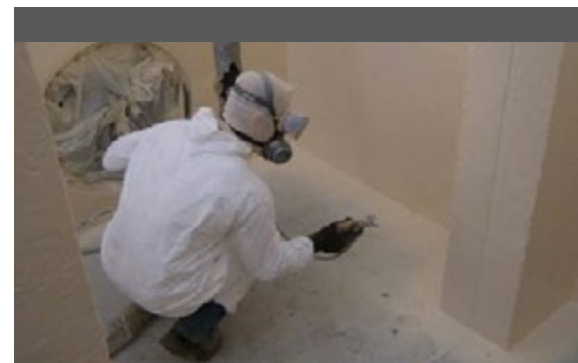
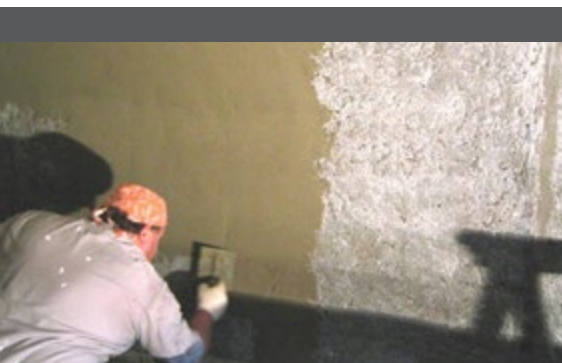
### Secondary Containment:

#### Semstone® Epoxies & Vinyl Esters

Secondary containment coatings protect your concrete surfaces from chemical attack and prevents toxic chemicals from infiltrating the soil or ground water.

#### Reactamine Elastomeric Polyurea

Elastomeric polyureas offer extreme abrasion and chemical resistance while offering increased flexibility and fastest return to service times.



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

Atmospheric corrosion and years of continuous use create the need for ultra durable, high performance coatings for steel and concrete water tanks. Interior linings need certification per ANSI / NSF Standard 61 as well as maintenance free extended service lives.



### Carboguard Epoxies

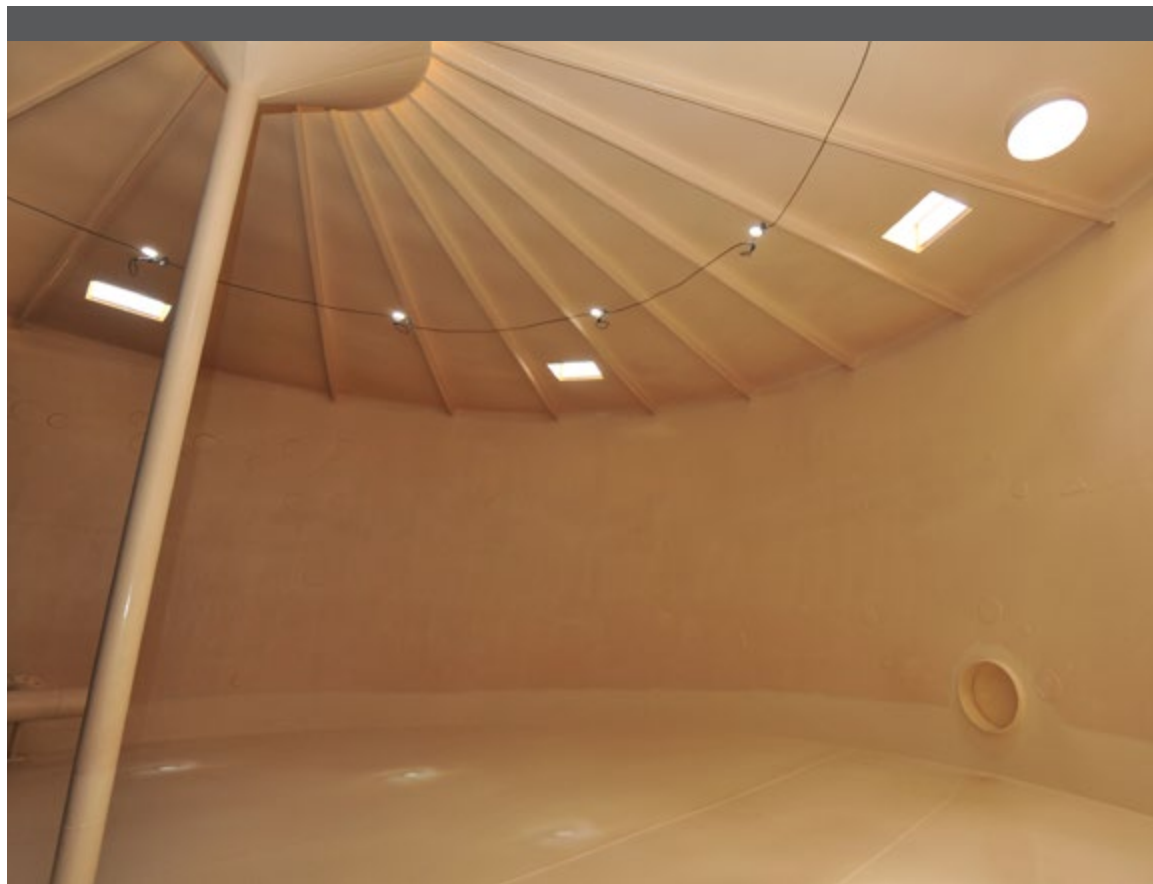
Many of our Carboguard epoxies are certified for use in potable water. These are thin film linings that are easy to apply, VOC compliant and offer long service life.

### Phenoline® Epoxy Linings

Highly functional modified epoxy linings and certified for use in potable water service. 100% solids formulation is more environmental friendly and provide an extended service life in a single coat.

### Reactamine Hybrid Polyurethane

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



## Potable Water Ground Storage Tanks and Elevated Storage Tanks

For coatings required to protect against corrosion in tank construction, overcoating, or complete recoating of ground and elevated water storage tanks. Carboline primers, intermediate coats and topcoats offer coatings solutions for ultra protection against extreme conditions created by environmental abuse from wind, precipitation, UV, and acid rain.

### Corrosion Resistant Primers For New Construction & 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 Polyurethane

These finishes are high performing urethanes that provide long term color and gloss retention and chemical resistance to splash and spills.

#### Carboxane® Finishes

Ultra-weatherable siloxanes that provide extreme long term color and gloss retention due to their outstanding resistance to ultra violet radiation.



# GLOBAL COATINGS LEADERS™

RIGHT PEOPLE • RIGHT PRODUCTS • RIGHT LOCATIONS



## GLOBAL MANUFACTURING PLANTS

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