

# Water & wastewater concrete linings

Systems for comprehensive problem resolution



## THE PROBLEM



### The true costs of concrete degradation

**Chemical exposures, biogenic corrosion, and physical forces can degrade concrete infrastructure. If that infrastructure fails, the real cost associated with inflow and infiltration soars far higher than the price tag on a repair:**

- › Increased wear on systems not rated to handle extra water
- › Higher treatment costs as that water moves through the treatment process
- › Service interruptions that reduce quality of life for ratepayers



### Why maintenance is challenging

Once the cause of a problem is understood, concrete wastewater asset owners must still wrestle with the work of fixing it.

But fixing a leak, resurfacing an asset, and then applying a protective coating that resists physical damage and biogenic corrosion has never been straightforward. Often, that's two or three different material suppliers and a handful of contractors, all going into one hole in the ground. Wouldn't it be better for asset owners and ratepayers if this wasn't so complicated?



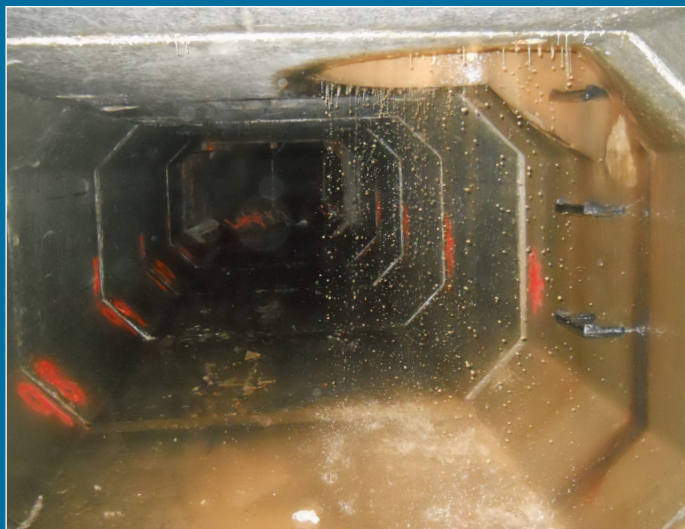
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### Sealing leaks is essential

Resurfacing concrete or repairing a degraded lining is almost never enough. Temporary measures can only lead to temporary results.

To truly stop leaks and end the maintenance merry-go-round, seal them at their source.





## 3 steps, 1 stop, problem solved

Carboline and Prime Resins represent the industry's only source for comprehensive leak sealing, concrete resurfacing/restoration, and lining/coating solutions under one roof. Understanding the problem, sourcing materials and labor, and managing the project have never been this easy.



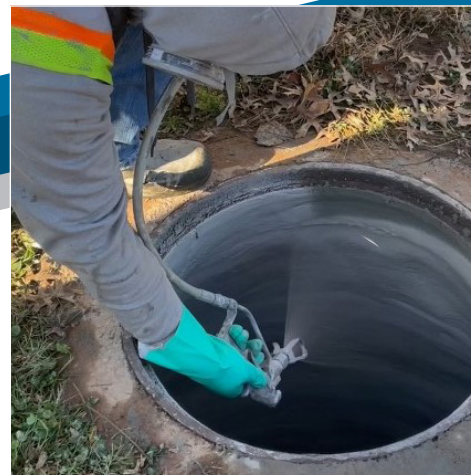
### STEP 1:

**Leak sealing** stops leaks at their source. **Prime Resins'** injectable urethane grouts are designed to stop gushing leaks in seconds and also are ideal for soil stabilization in the vicinity of a concrete asset.



### STEP 2:

**Concrete repair and resurfacing** products in Carboline's **Carbocrete** and **Carboguard** series restore the structural integrity of concrete, extending asset service life so owners can go further with the often limited maintenance resources.



### STEP 3:

**Corrosion control coatings and linings** in Carboline's **Hydroplate**, **Reactamine**, and **Plasite** series further protect assets by forming an abrasion- and chemical-resistant barrier between new or restored concrete surfaces and the harsh materials they contact. They meet rigorous ASTM G210 SWAT benchmarks.



## Simpler solutions start here

Faster, more comprehensive problem resolution starts by consulting with a Carboline or Prime Resins expert. They'll walk through product options that address your specific circumstances, and can recommend single-source contractors who are trained to complete leak sealing, resurfacing, and coating with a single crew.

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



[primeresins.com/contact/](http://primeresins.com/contact/)



# GLOBAL COATINGS LEADERS™

RIGHT PEOPLE • RIGHT PRODUCTS • RIGHT LOCATIONS



Prime Resins has been a leading manufacturer of chemical grouts, foams, adhesives, and coatings for infrastructure repair and protection since 1982. Innovative structural repair, leak sealing, soil stabilization, and slab lifting solutions from Prime Resins reduce the maintenance burden and extend the lifespan of critical infrastructure.

## PRIME RESINS + CARBOLINE

Founded in 1947, Carboline is a renowned provider of high-performance coatings, linings, and fireproofing products. Now as a Carboline division, Prime Resins' unique asset protection solutions are more widely available and backed by a stronger manufacturing, distribution, and field technical service footprint. Additionally, the partnership creates the industry's only truly comprehensive leak sealing, repair and resurfacing, and protective coating and lining solution under one roof.



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