

# CONCRETE REPAIR SOLUTIONS FOR CORROSION



## RUST NEVER SLEEPS

Because "Rust Never Sleeps", corrosion is a multi-billion dollar problem for the United States and other countries. Corrosion to reinforced concrete affects both the public and private sectors. Studies on corrosion, performed in the U.S., Japan and Europe have reported that a cost of 3-4% of these countries gross national product (GNP) can be attributed to the direct and indirect results of corrosion. Today there is an array of technologies and solutions to help slow down, mitigate and repair corrosion induced damage to concrete structures. As with any challenging problem like this, performance counts with the provided solution. The Euclid Chemical Company can provide several types of concrete repair solutions for corrosion, from cathodic protection, penetrating surface treatments, repair mortars with integral corrosion inhibitors to admixtures.



- Parking Facilities • Bridge and Highways • Chemical Processing • Condos
- Commercial Buildings • Refineries / Petrochemical • Water / Waste Water Plants

### Typical repair applications...

Industrial floors, bridge decks, parking structures, highways, concrete columns, building facades and balconies, containment areas, water treatment facilities, marine terminals and docks.

- ▲ These products can contribute to LEED credit points.

### Rapid Set Patch and Repair

*All include an integral corrosion inhibitor*

#### Express Repair

Cement based, ready to use, horizontal patching and repair mortar with rapid strength gain (2,500 psi in two hours). Compatible with galvanic anodes.

#### Speed Crete 2028 ▲

Rapid setting mortar for horizontal placements, designed to achieve high strength (2600 psi in one hour). Can be recoated with a epoxy coating in 24 hours.

#### Speed Crete PM

Ready to use, one-part, polymer modified, cementitious based concrete and masonry patching for vertical and overhead repair. Compatible with galvanic anodes.

### Structural & Surface Repair

*All include an integral corrosion inhibitor*



#### Euconcrete Supreme ▲

High performance form and pour repair mortar with an extended working time and high slump. User friendly, it is ideal for large or small jobs with horizontal or formed vertical/overhead placements.

#### Verticoat Supreme ▲

One-component, trowel applied, microsilica and latex modified repair material designed for vertical and overhead repairs requiring high performance.

#### Concrete-Top Supreme ▲

One-part, latex and microsilica modified cementitious mortar designed for use as a horizontal overlayment concrete repair mortar at thicknesses of 3/8" to 2". Compatible with galvanic anodes.

#### Thin-Top Supreme ▲

One-part, latex and microsilica modified cementitious trowel applied mortar designed for use as a floor or deck topping at thicknesses of 1/16" to 3/8".

#### Duraltops (all) ▲

Fast setting, two-component, polymer reinforced, cementitious repair mortar. The Duraltop family comes in three hand-applied versions, designed to achieve high early compressive strengths, flowable for hard-to-reach places and a non-sag, formulation.

#### Tamms Spray Mortar ▲

A one-component, sprayable mortar designed for low-pressure application or hand troweled concrete repairs. Compatible with galvanic anodes.

### Cathodic Protection

#### Sentinel-GL ▲

Self-generating, sacrificial cathodic protection system designed to mitigate the corrosion of reinforcing steel in concrete patch and repair applications. Providing reduced, installation, monitoring and maintenance costs.





## Penetrants

### **Baracade Silane 100**

Breathable, ready-to-use, colorless, non-yellowing, deep penetrating concrete and masonry water and chloride repellent for horizontal applications.

### **Baracade WB 244**

Water-based, oligomeric siloxane/silane, ready-to-use, deep penetrating water repellent for horizontal surfaces. Can produce a hydrophobic treatment to reduce water and chloride absorption. Meets the requirements of NCHRP 244.

### **Duralprep 3020**

Water-based, topically applied, corrosion inhibitor system formulated to migrate through concrete and protect the reinforcing steel.

## Joint Fillers and Sealants

### **Tammsflex NS /SL ▲**

Two-part polysulfide elastomeric, caulking and sealing compound that has excellent chemical, solvent and water resistance. The product comes in non-sag and self-leveling formulas, which cures at normal temperatures.

## Industrial Coatings

### **Duralkote 240 ▲**

A 100% solids, two-part epoxy-based system designed for use as a wall and floor coating. Although flexible, Duralkote 240 offers excellent chemical and abrasion resistance.



Duralkote 240 also complies with ANSI/NFS Standard 61.

### **Duraltex 1705**

100% solids, two-part epoxy coating offering good chemical resistance to a broad range of solvents, salts, caustics and acids, most often used in trowel down or broadcast applications.

## Industry Leadership

For almost 100 years, The Euclid Chemical Company has served as a leading supplier to the construction industry, providing quality admixture and construction products marketed under the EUACO, Tamms, Dural, Speed Crete brand names. These products include concrete admixtures, block and masonry additives, curing and sealing compounds, epoxy adhesives, floor and wall coatings, structural grouts for columns, equipment and machinery, joint fillers and repair products. The Euclid Chemical Company strives to bring innovative technologies and products to the concrete market with demonstratively better service.

## Customer Solutions

The Euclid Chemical Company is unique in our offering of superior products and unparalleled customer service and industry support. The Euclid team delivers a range of value-added resources and in-depth industry experience to architects, designers, engineers, building contractors and owners. Comprised of highly trained professionals who are available in local offices across the Americas, our experts are active members on industry technical committees including American Concrete Institute (ACI), International Concrete Repair Institute (ICRI) and American Society for Testing and Materials (ASTM). Our experienced field team is available to support you and your projects using Euclid Chemical solutions and products manufactured under the stringent standards of our ISO 9001:2000 certified quality system.

## Value Added Support

### Technical Support

Our Technical Support group provides real-time solutions regarding product and application questions. We can be reached toll free at 1-800-321-7628 or you can visit our website at [www.euclidchemical.com](http://www.euclidchemical.com).

### Laboratory Services

Our world class Cement and Concrete Reference Laboratory (CCRL) inspection facilities are equipped with state-of-the-art technologies and staffed by an exceptional team of professional, ACI certified technicians.

### Training

The Euclid Chemical Company generously shares product information and technical knowledge through training and seminars conducted for project owners, contractors, distributors and design professionals.



**For more information, contact your local Euclid Chemical Representative or call 1-800-321-7628. Visit us at [www.euclidchemical.com](http://www.euclidchemical.com).**



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