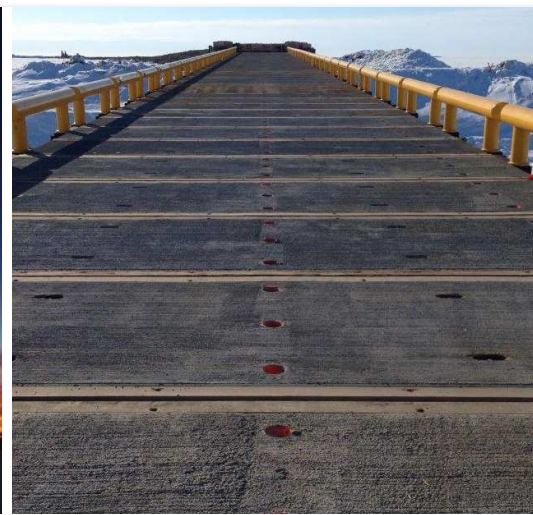


**EUCLID CHEMICAL**

# **BRIDGE** CONSTRUCTION AND REHABILITATION



ADHESIVES

BRIDGE DECK OVERLAYS

GROUTING

CURING COMPOUNDS

COATINGS

PENETRATING SEALERS

CATHODIC PROTECTION



# BRIDGE

## CONSTRUCTION AND REHABILITATION

### Bridges—Rehabilitating Our Critical Connections

Bridges are critical elements within our highway transportation network supporting commerce, economic vitality, and personal mobility. There are approximately 610,000 bridges located on public roads in the United States. According to the Federal Highway Administration, approximately 146,000 of these bridges are considered deficient. This translates to over 1 billion square feet (92,903,040 m<sup>2</sup>) of deficient bridge deck area.

Federal, state and local governments recognize the importance of these structures to our future growth and prosperity. Collectively, they strive to improve and rehabilitate our transportation systems.

The Euclid Chemical Company manufactures a broad range of quality products used in the rehabilitation of bridge structures. Euclid products deliver high-performance to the most challenging bridge repair projects. This brochure describes some of the most popular Euclid products used to extend the life of bridge structures everywhere.

### ADHESIVES

#### **DURAL™ FAST SET GEL & DURAL™ FAST SET LV**

Two component, 100% solids, moisture insensitive, rapid-setting epoxy adhesives that are used together in crack injection applications

#### **DURAL™ 452 LV & DURAL™ 452 GEL**

Two component, high modulus epoxy adhesives used in anchoring, dowelling, and epoxy pressure injection applications

#### **DURAL™ 452 MV**

Two component, high modulus epoxy adhesive used primarily to bond fresh concrete to old concrete

#### **DURAL™ 100**

Two component, 100% solids adhesive for use as a bonding agent for precast segmental box girders, bridge and other segmental construction

#### **DURAL™ 50 LM**

High strength, ultra low viscosity, acrylated epoxy used to seal cracks in concrete and in pressure injection applications

#### **AQUASEAL™ LV & AQUASEAL™ GEL**

Two component epoxy adhesives used in underwater repairs of concrete piles, grouting pile jackets, underwater pressure injection and anchor bolt grouting

### BRIDGE DECK OVERLAYS

#### **FLEXOLITH®**

Low modulus epoxy binder suitable for use in applications where stress relief and resistance to mechanical and thermal movements are required, such as for overlays or non-skid surfaces on bridge decks

### GROUTING

#### **NS GROUT**

High strength, non-staining, non-shrink, flowable or fluid grout designed for critical applications

#### **EUCO® CABLE GROUT PTX**

A non-bleeding, non-shrinking, extremely fluid, high strength grout designed to provide corrosion protection for steel cables, anchorages, and rods

### CURING COMPOUNDS

#### **KUREZ™ DR VOX**

Dissipating curing compound that is easily cleaned from concrete, leaving the surface ready for a coating or sealer

Also available as KUREZ DR-100, a low VOC version that is compliant with all regulations in the U.S. and Canada

#### **KUREZ™ W VOX**

Water based wax emulsion curing compound with low odor and low VOC

#### **KUREZ™ VOX WHITE PIGMENTED**

Water based, white pigmented wax emulsion curing compound that reflects sunlight, keeping the concrete surface cooler



## COATINGS

### TAMMSCOAT™

High build, water based acrylic coating that has excellent resistance to staining, wind driven rain, UV and freeze/thaw cycles, and protects the surface from carbonation

### TAMMS™ AG 400

Two component, urethane coating that has excellent anti-graffiti properties for indoor and outdoor use. Particularly effective for protecting surfaces that need to be cleaned frequently with cleaners and solvents to remove graffiti

### AQUASEAL™ MV

High build epoxy coating for use in coating underwater structures

## CATHODIC PROTECTION

### SENTINEL™ GALVANIC ANODES

Self-generating sacrificial anodes designed to passivate corrosion on the reinforcing steel within concrete.

## PENETRATING SEALERS

### BARACADE™ WB 244

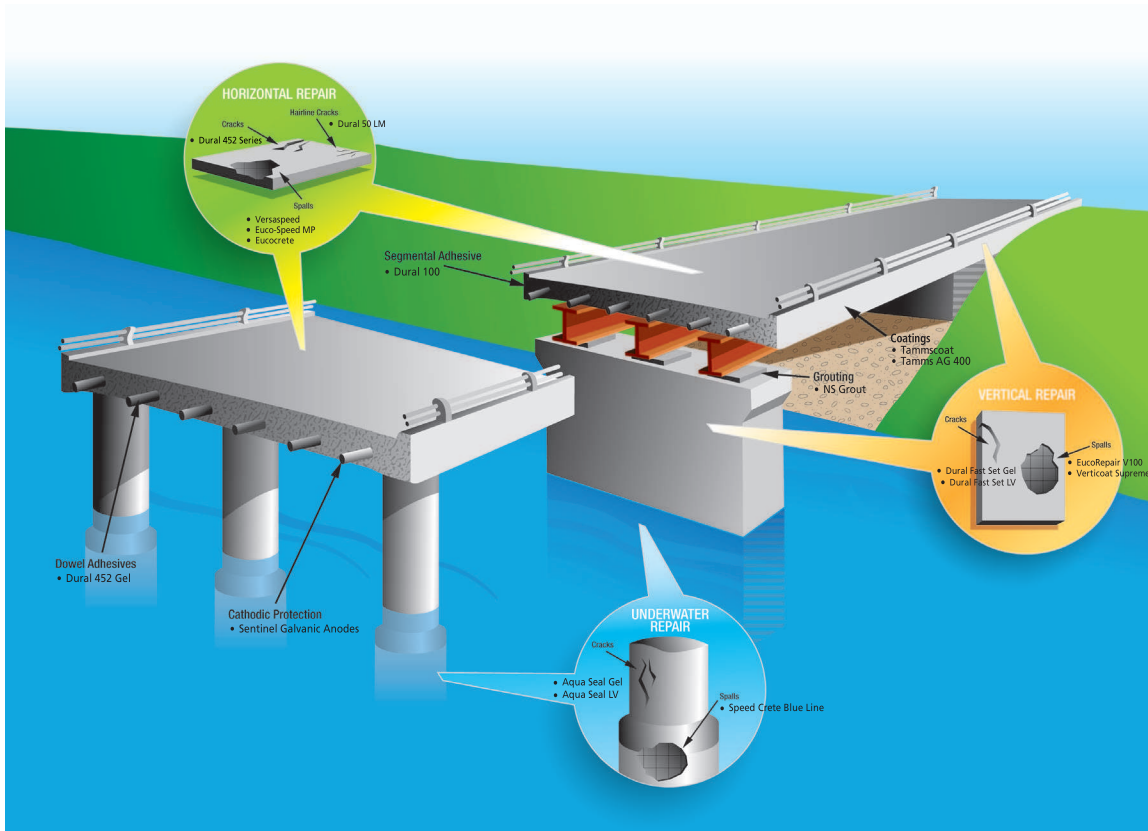
Water based silane-siloxane penetrating sealer that provides water and salt repellency to concrete surfaces

### BARACADE™ SILANE 40

Solvent based, 40% silane penetrating sealer

### BARACADE™ SILANE 100-C

100% silane penetrating sealer with low volatility, enabling higher coverage with exceptional performance



# BRIDGE

## CONSTRUCTION AND REHABILITATION

### STRUCTURAL AND COSMETIC REPAIRS

#### **DURALPREP™ A.C.**

DURALPREP A.C. is a pre-proportioned, water based, epoxy modified, cement bonding agent and anti-corrosion coating with a 24 hour open time. It is used to bond fresh concrete or repair mortars to existing concrete and as an anti-corrosion coating for reinforcing steel.

#### **VERSASPEED™**

VERSASPEED is a versatile, one component, rapid setting repair compound for horizontal or "form and pour" projects. This low shrinkage and high early strength material can receive non-breathable coatings in as little as 4 hours. VERSASPEED is suitable for repairing concrete surfaces from 1/4 to 6 in. (0.6 to 15 cm) in thickness. Also available in a longer set version called VERSASPEED LS

#### **EUCOREPAIR™ V100**

One component, fast setting, very low shrinkage repair mortar formulated with unique polymers and fiber reinforcement for trowel-applied vertical/overhead repairs

#### **EUCO-SPEED™ MP**

Rapid setting magnesium phosphate material for horizontal concrete structures

#### **EUCOCRETE™**

One component, microsilica modified, full depth repair mortar that can be used as a topping or patch material on horizontal surfaces or vertical "form and pour" applications

#### **SPEED CRETE™ RED LINE**

Fast setting, user-friendly, vertical/overhead cement based patching material that can be shaved to conform to the area of placement without forming

#### **VERTICOAT™ SUPREME**

One component, polymer modified, non-sag repair mortar for vertical and overhead repairs that offers excellent freeze/thaw resistance, low permeability, and contains an integral corrosion inhibitor

#### **SPEED CRETE™ BLUE LINE**

Fast setting, ready-to-use, concrete and masonry patching compound formulated specifically for underwater use on vertical, overhead, and horizontal surfaces without forming

#### **EUCOSHOT™**

Microsilica modified, one component repair mortar designed for use in vertical and overhead shotcrete applications

## INDUSTRY LEADING CUSTOMER SUPPORT

At Euclid Chemical, we offer a comprehensive array of services that support our customers, and deliver a range of value-added resources and in-depth industry experience to architects, designers, engineers, building contractors and owners. 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 9000 certified quality system. Comprised of highly trained professionals, our sales, technical support and customer service experts work hand-in-hand with customers:

- Supplying field evaluations, recommendations and application problem-solving on a project-by-project and technology basis.
- Attending pre-design meetings, assisting in clarifying specifications and recommending product selection.
- Providing proper pre-installation instructions and methods for achieving quality results.



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