

REPAIR SOLUTIONS FOR BRIDGES

Bridges—Rehabilitating Our Critical Connections

Bridges are critical elements within our highway transportation network supporting commerce, economic vitality, and personal mobility. There are approximately 600,000 bridges located on public roads in the United States, each spanning over 20 feet in total length. These bridges, on average, carry nearly 4 billion vehicles per day and comprise a total deck area in excess of 2.7 billion square feet.

Federal, State and Local governments recognize the importance of these structures to our current, as well as 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 the high performance solution to the most challenging of bridge repair projects. This brochure describes some of the Euclid products used to rehabilitate and extend the life of the bridge structures everywhere.

🌱 These products can contribute to LEED credit points.



ADHESIVES

Duralprep A.C. 🌱

Pre-proportioned, water based epoxy modified portland 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 a anti-corrosion coating for reinforcing steel.

Duralcrete® LV & Duralcrete® Gel 🌱

Two component, high modulus epoxy adhesives used in anchor dowelling applications, as well as in epoxy pressure injection applications.

Duralcrete® 🌱

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

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.

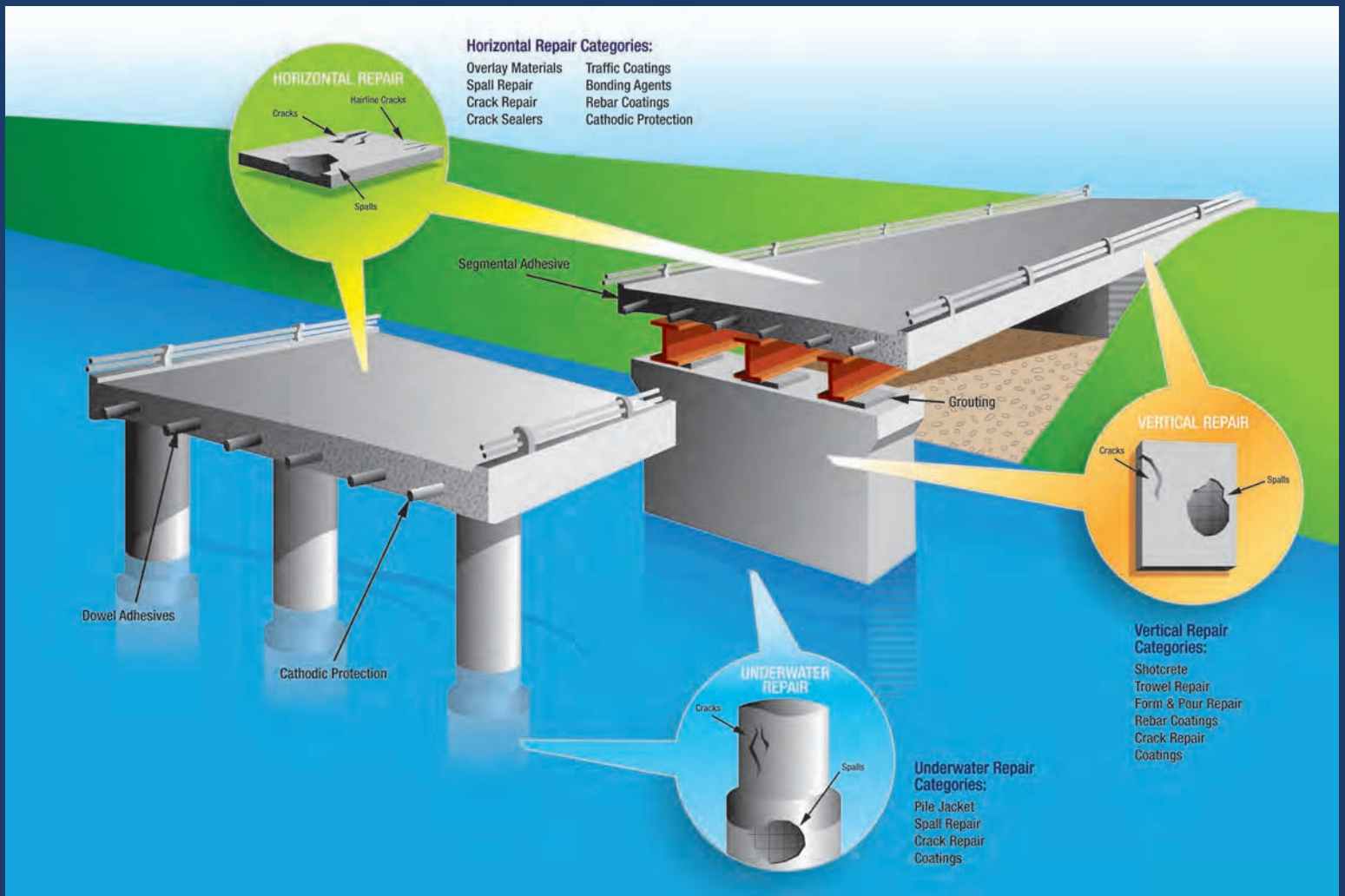
Kurez W VOX 🌱

Water based wax emulsion curing compound. Low odor, zero VOC's.

Kurez VOX White Pigmented 🌱

Water based, white pigmented wax emulsion curing compound. 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.

Eucothane®

Aliphatic urethane coating that has excellent anti-graffiti properties for indoor and outdoor use. It is particularly effective for protecting surfaces that need to be cleaned frequently with cleaners and solvents to remove graffiti.

Aquaseal®

High build epoxy coating for use in coating underwater structures.

PENETRATING SEALERS

Barcade® WB 244

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

Barcade® Silane 40

Solvent based, 40% silane penetrating sealer.

Barcade® Silane 100

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

CATHODIC PROTECTION

Sentinel-GL, Gold, and Silver

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



STRUCTURAL AND COSMETIC REPAIRS

VersaSpeed ▲

Versatile, one part, rapid setting repair compound for horizontal or "form and pour" projects. This low shrinkage and high early strength material enables fast project turnaround times. VersaSpeed is suitable in repairing concrete surfaces from 1/4" to 6" in thickness.

Express Repair

One component, cementitious mortar with rapid strength gain for horizontal interior and exterior concrete repairs. Express Repair contains an integral corrosion inhibitor and has excellent durability. It is compatible with galvanic anodes used in cathodic protection applications.

Euco-Speed MP ▲

Rapid setting magnesium phosphate material for horizontal concrete structures.

Eucocrete ▲

Extremely versatile, one part, microsilica modified mortar for repair projects of all types. Can be used as a topping, or repair material on horizontal surfaces, and in vertical "form and pour" applications. It is compatible with galvanic anodes used in cathodic protection applications.

Speed Crete® Red Line

Fast setting cement based patching material that reaches initial set in 8-10 minutes and final set within 20 minutes. User-friendly, it can be shaved to conform to the area of placement after initial set and offers quick, easy finishing on vertical and overhead applications without forms. It is compatible with galvanic anodes used in cathodic protection applications.

Verticoat Supreme ▲

One component, polymer modified, non-sag repair mortar for vertical and overhead repairs. It 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. It achieves initial set in 3 to 5 minutes, and final set within 20 minutes, even underwater. It is used under water or below grade 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 9001:2000 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.



The Euclid Chemical Company

19218 Redwood Rd. • Cleveland, OH 44110
Toll-free: [800] 321-7628 • Fax: [216] 531-9596

www.euclidchemical.com



An RPM Company

The Euclid Chemical Company serves the global building market as an ISO 9001:2000 supplier of specialty products and support services for the concrete and masonry construction industry. Marketed under the Baracade, Dural, Euco, Eucon, Speed Crete and Tamms brands, we offer a full line of admixtures, repair and maintenance products based on the latest technologies. We provide complete specification assistance and laboratory support as well as on-site service for guidance on proper product usage. EUCCO materials are warehoused in over 200 locations in the USA and are available world-wide through international affiliates.

B08 Repair Solutions for Bridges 11.10 8M © 2010 The Euclid Chemical Company. All rights reserved. The information contained herein is, to our knowledge, true and accurate. While this material is furnished in good faith, no warranty expressed or implied, of merchantability, completeness, fitness or otherwise is made. This material is offered only for your consideration, investigation and verification, and The Euclid Chemical Company disclaims any liability incurred from the use thereof and shall not in any event be liable for any special, incidental or consequential damages arising from such use. This information is not intended to be all inclusive and the manner and conditions of use and handling of any material may involve other or additional considerations specific to the use or user. Nothing herein should be construed as permission or recommendation to infringe any patent or as to any specific use. No agent, representative or employee of this company is authorized to vary any term of this notice.