

REPAIR SOLUTIONS FOR BRIDGES



PATCH AND REPAIR

VersaSpeed

Versatile, one part, rapid setting patching and 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 patching and 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, patching mortar, 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

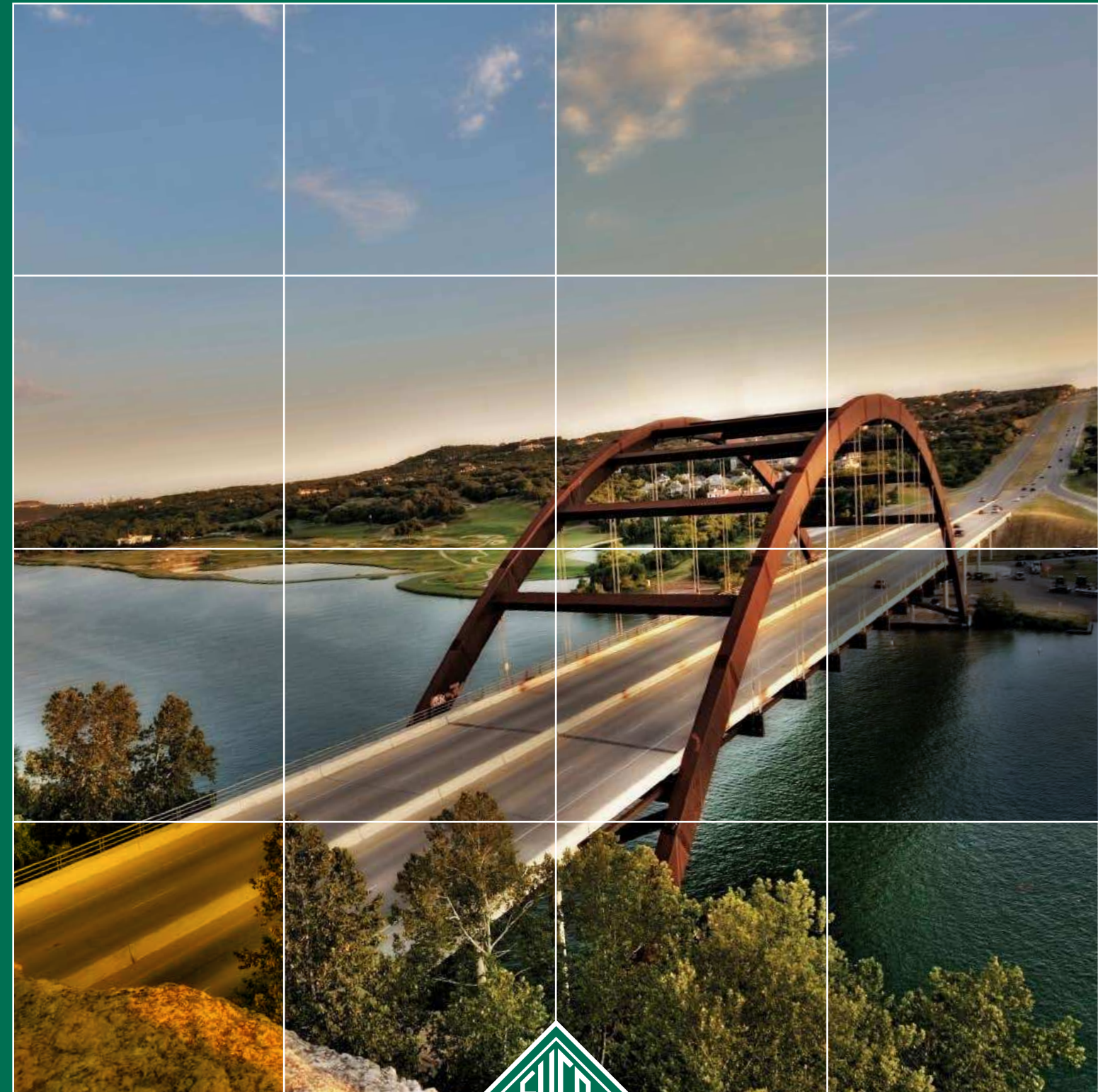
Microsilica modified, one component repair mortar designed for use in vertical and overhead shotcrete applications.



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

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An RPM Company

The Euclid Chemical Company, founded in 1910, is today a worldwide supplier of quality products and services for the concrete and masonry industry. Marketed under the EUCCO name, 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 worldwide through international affiliates.

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REPAIR SOLUTIONS FOR BRIDGES

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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.

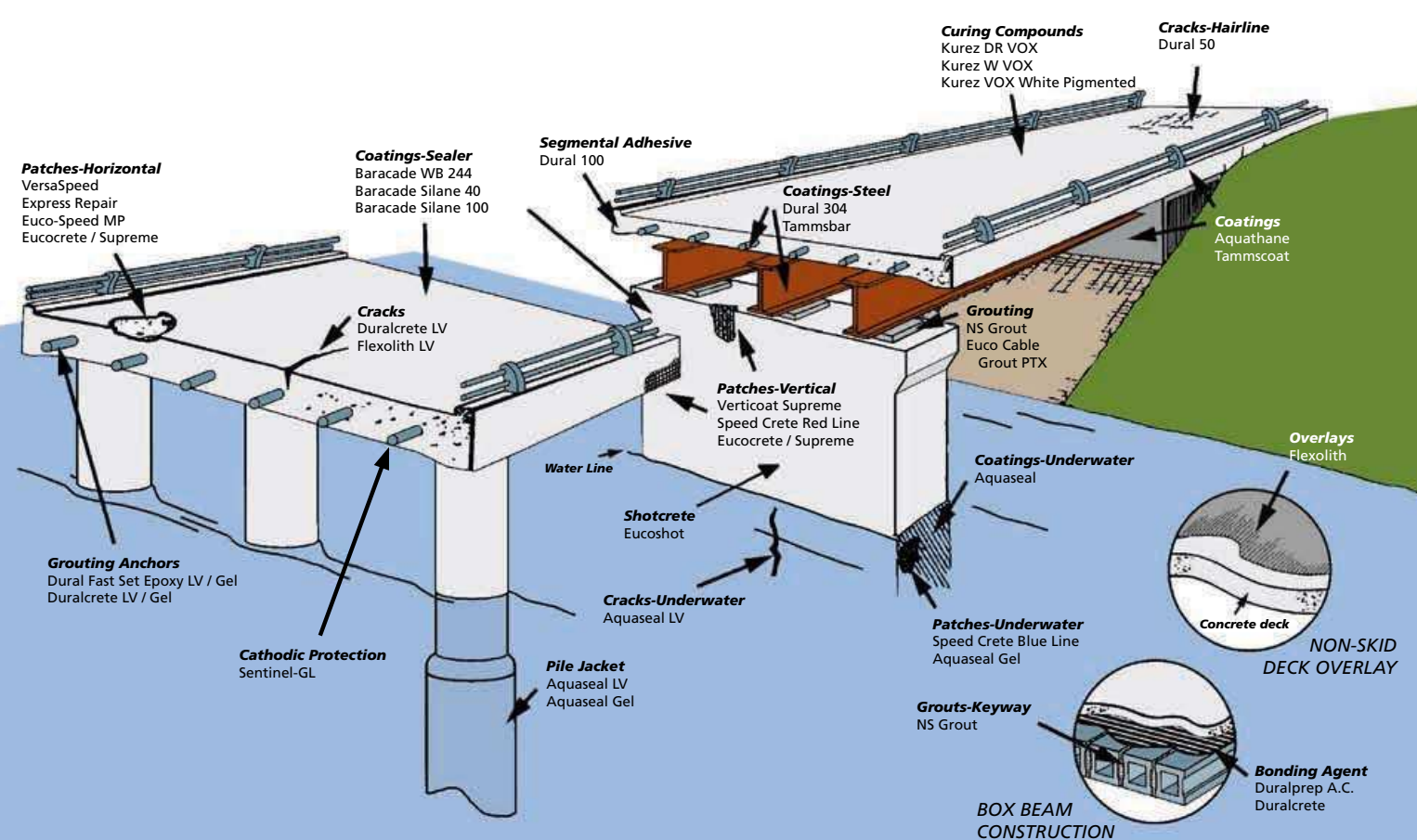
Federal, State and Local governments recognize the importance of these structures to our current, as well as our future growth and prosperity. Collectively, they have strived to improve and rehabilitate our transportation systems. To that end, in 2005, Congress approved \$286.4 billion in spending through 2009 for transportation needs nationwide.

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 we so desperately need.

▲ These products can contribute to LEED credit points.



REPAIR SOLUTIONS FOR BRIDGES



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 bonding agent and 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, tuckpointing of granite block and anchor bolt grouting.



BRIDGE DECK OVERLAYS

Flexolith® ▲

Low modulus epoxy binder/polymer concrete 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 and self-leveling grout designed for critical applications.



Euco Cable Grout PTX ▲

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

CURING COMPOUNDS

Kurez DR VOX

Reduced odor liquid membrane curing compound that begins to dissipate approximately 4 weeks after application.



Kurez W VOX ▲

Low odor, solvent free, water based liquid membrane curing compound.

Kurez VOX White Pigmented ▲

Water based white pigmented curing compound.

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.

Aquathane®

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

Baracade® WB 244

Water-based, oligomeric siloxane/silane blend, formulated to protect horizontal, above grade concrete wearing surfaces.

Baracade® Silane 40

High solids, VOC compliant, solvent-based impregnation water repellent for horizontal and vertical concrete and masonry surfaces.

Baracade® Silane 100

100% silane formulation that exhibits lower volatility than solvent based silane materials.

CATHODIC PROTECTION

Sentinel-GL ▲

Self-generating cathodic protection system designed to mitigate the corrosion of reinforcing steel in concrete.

