



**EUCLID CHEMICAL**

# **INDUSTRIAL COATINGS AND REPAIR SOLUTIONS**



INDUSTRIAL COATINGS

JOINT FILLERS & SEALANTS

HORIZONTAL REPAIR

VERTICAL & OVERHEAD REPAIR

GROUTS

BONDING AGENTS & ADHESIVES



# COATINGS AND REPAIR SOLUTIONS

## FOR INDUSTRIAL FACILITIES

For concrete repairs in industrial facilities and their challenging environments, The Euclid Chemical Company can provide maintenance solutions for all building structure components. Complete protection and repair systems are available for floor & wall coatings, joint filling & sealing, patching & repairing, grouting, and bonding.

We understand the unique challenges faced by industrial owners, operators, and maintenance managers, especially the need to minimize downtime. Typically, repair work needs to take place in functioning facilities in order to avoid production slowdown. Our products and solutions are engineered to have a minimal impact on critical manufacturing, production, and processing activities.

### Facilities:

Manufacturing Plants, Chemical Processing, Power Generation, Pulp & Paper Mills, Refineries/  
Petrochemical Plants, Food & Beverage Processing, Auto Production

### TYPICAL REPAIR APPLICATIONS

- Concrete Floors
- Floor Joints
- Concrete Columns
- Machine Bases
- Containment Areas
- Terminals and Docks

## INDUSTRIAL COATINGS

**EUCOPOXY TUFCOAT** is a high-performance, thin-film epoxy floor coating system used to provide concrete surfaces with wear resistance and protection from chemical attack. Available in 7 semi-gloss colors for aesthetic benefits.

**DURALKOTE 240** is a 100% solids, high-build epoxy coating system used for concrete floors and walls. DURALKOTE 240 is flexible, and offers excellent chemical and abrasion resistance. DURALKOTE 240 has 33 different color options when the neutral-base kit is combined with Euclid Universal Color Packs

**DURALTEX 1805** is a 100% solids, epoxy novolac that is used in broadcast and trowel down applications. DURALTEX 1807 is a flake-filled, high-build version of DURALTEX 1805, used for coating floors or walls. Both offer excellent abrasion resistance, and the utmost in chemical resistance, including up to 98% sulfuric acid.

**DURALTEX 1705** is a 100% solids, epoxyamine system that is used in trowel down and broadcast applications. DURALTEX 1707 is a flake-filled, high-build version of DURALTEX 1705, used for coating walls or floors. Both offer good abrasion and impact resistance, as well as good chemical resistance to a broad range of solvents, salts, caustics, and acids.

**EUCOTHANE** is a solvent-based, polyurethane coating that offers outstanding abrasion resistance, color stability, and chemical resistance. It is ideal as a topcoat for most Euclid Chemical epoxy coatings.

## ADDITIONAL PRODUCT LINES FROM THE EUCLID CHEMICAL COMPANY INCLUDE:

- Water Facility Solutions
- Bridge Repair Solutions
- Waterproofing Solutions
- Reactive Sealers
- Curing & Sealing Concrete Solutions
- Corrosion Prevention & Control
- Chemical Grouting Solutions

# INDUSTRIAL COATINGS

## CHEMICAL RESISTANCE GUIDE

	DURALKOTE 240	DURALTEX 1705	DURALTEX 1707	DURALTEX 1805	DURALTEX 1807
Acetic Acid (10%/10-50%/50-100%)	1/1/0	2/1/0	2/1/0	2/1/1	2/1/1
Acetone (10%/100%)	2/1	2/2	2/2	2/2	2/2
Ammonium Nitrate	3	3	3	3	3
Ammonium Sulfate	3	3	3	3	3
Ammonium Sulfite	3	3	3	3	3
Beer	3	3	3	3	3
Benzyl Alcohol	2	2	2	2	2
Bleach (5%)	3	3	3	3	3
Brake Fluid	2	3	3	3	3
Citric Acid	1	2	2	3	3
Diesel	2	3	3	3	3
Ethyl Alcohol	1	2	2	2	2
Ethylene Glycol	2	3	3	3	3
Gasoline	2	2	2	2	2
Hydrochloric Acid (10%/20%/37%)	3/2/1	2/2/2	2/2/2	3/3/3	3/3/3
Isopropyl Alcohol	1	2	2	2	2
Jet Fuel	2	3	3	3	3
Kerosene	2	3	3	3	3
Methyl Ethyl Ketone (MEK)	1	1	1	2	2
Methyl Isobutyl Ketone (MIBK)	2	1	1	2	2
Mineral Spirits	2	3	3	3	3
Nitric Acid (5%/25%/40%/60%)	2/1/TS/0	3/1/1/1	3/2/1/1	3/2/2/2	3/2/2/2
Oil (Mineral)	2	3	3	3	3
Oil (Petroleum)	2	3	3	3	3
Phosphoric Acid (20%/50%/85%)	2/1/0	3/2/2	3/2/2	3/3/3	3/3/3
Salt Brine	3	3	3	3	3
Skydrol	2	2	2	3	3
Styrene	2	2	2	3	3
Sulfuric Acid (10%/25%/50%/70%/98%)	2/2/2/1/0	3/3/2/2/0	3/3/2/2/0	3/3/3/3/3	3/3/3/3/3
Toluene/Toluol	1	2	2	2	2
Turpentine	2	2	2	2	2
Urea Solutions	1	2	2	3	3
Vinegar	1	1	1	1	1
Xylene/Xylol	2	2	2	2	2

3 = Long-Term Exposure

2 = 72-Hour Exposure

1 = Splash and Spill w/ Daily Clean-Up

0 = Not Resistant

TS = Contact Technical Service





## HORIZONTAL REPAIR

**VERSASPEED 100** is a rapid-setting, shrinkage compensated, microfiber reinforced repair mortar that is ideal for indoor or outdoor, horizontal and form-and-pour applications. Can be open to traffic in as little as 1 hour and coated with epoxy in 4 hours. VERASAPPEED LS100 is a longer set version of VERSASPEED 100. Both are used at thicknesses between 1/4 to 6 in (0.64 to 15.24 cm).

**EUCO-SPEED MP** is a rapid-setting, rapid-hardening, magnesium phosphate material for patching and repairing concrete surfaces in less than 1 hour. May be placed down to 0 °F (-17.8 °C), in thicknesses between 1/2 to 8 in (1.27 to 20.32 cm).

**THIN-TOP SUPREME** and **CONCRETE-TOP SUPREME** are latex and microsilica-modified cementitious mortars with a corrosion inhibitor, designed for use as horizontal overlayment materials. THIN-TOP SUPREME is used at thicknesses of 1/16 to 3/8 in (0.16 to 0.95 cm) and CONCRETE TOP SUPREME at 3/8 to 6 in (0.95 to 15.24 cm).

**EUCO 456S MORTAR** is an iron aggregate epoxy repair mortar, made for repairs requiring exceptional strength and toughness. Use in thicknesses between 1/8 to 2 in (0.32 to 5.08 cm).

**DURALEX FASTPATCH** is a three-component, low modulus, moisture insensitive epoxy repair kit designed to provide a high strength, wear resistant surface to worn and damaged high use floors. May be placed in thicknesses between 1/4 to 3 in (0.6 to 7.62 cm).

**EUCO QWIKSTITCH** is a two-component, hybrid urethane repair liquid used to mend cracks in concrete and repair spalled joints. Ultra-low viscosity allows for deep penetration, and sets in 10 minutes. Can be placed in temperatures between 30 to 115 °F (-1 to 46 °C).

**EUCOREPAIR SCC FAST** is a fast setting, self-consolidating repair mortar that is shrinkage compensated, pozzolan and microfiber modified, and contains an integral corrosion inhibitor. Designed for horizontal and formed vertical and overhead structural repairs from 1 in (2.5 cm) to full depth.

## VERTICAL & OVERHEAD REPAIR

**EUCOREPAIR V100** is a very low-shrinkage, polymer-modified and fiber-reinforced repair mortar with a corrosion inhibitor. Can be trowel-applied to vertical and overhead surfaces in 1/8 to 4 in (0.32 to 10 cm) thick lifts and shaved to a desired shape to match adjacent areas.

**TAMMSCRETE** is a single-component, polymer-modified repair material that is applied between featheredge and 1/4 in (0.64 cm). This product does exceptionally well at smoothing out concrete walls that have been repaired, and giving them a new, uniform appearance.

**SPEED CRETE RED LINE** is a very rapid-setting, cement-based repair mortar that can be "shaved" to a desired shape after initial set (8 to 20 minutes). Can be placed in thicknesses between 1/8 to 4 in (0.32 to 10.16 cm).

**DURALTOP GEL** is a two-component, polymer-modified mortar with very high compressive and bond strengths, and extremely low permeability to meet the most demanding specifications. Can be applied in lifts between 1/8 to 2 in (0.32 and 5.08 cm) thick.





## JOINT FILLERS & SEALANTS

**EUCO QWIKJOINT UVR** is a fast-setting, semi-rigid polyurea, primarily used for filling construction and control joints in industrial and commercial concrete floors. This product can be shaved flush with the floor shortly after placement or up to 24 hours later, and will resist fading in the presence of ultraviolet light.

**DURAL 340 SL** is a two-component, 100% solids, semi-rigid, self-leveling epoxy joint filler used for horizontal surfaces.

**DURAL 340 NS** is a non-sag formulation for use in vertical or sloped horizontal surfaces. Both versions offer resistance to mild acids/alkalis, as well as excellent thermal shock resistance.

**TAMMSFLEX SL** and **TAMMSFLEX NS** are two-part, elastomeric, polysulfide caulking and sealing compounds. These products will withstand repeated expansion and contraction, and possess excellent chemical, solvent, and water resistance. **TAMMSFLEX SL** is a flowable, self-leveling, traffic-grade formulation for use in horizontal joints. **TAMMSFLEX NS** is a non-gun-grade formulation for use in vertical joints.

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## GROUTS

**E<sup>3</sup>-FLOWABLE** is a high-flow, epoxy grout, with variable fill rates, formulated for the grouting of equipment bases and column base plates where high fluidity is required. This grout utilizes our patent pending DL Technology™ dustless aggregate. **E<sup>3</sup>-FLOWABLE** provides excellent flow times, positive effective bearing area, and high compressive strengths for demanding applications.

**HI-FLOW GROUT** is a natural aggregate system with a shrinkage-compensating binder, and is highly flowable for use where high tolerance, high strength, and high fluidity are required.

## BONDING AGENTS & ADHESIVES

**DURALPREP A.C.** is a three-component bonding agent and anti-corrosion coating for reinforcing steel, and is ideal for bonding repair mortars to the surrounding substrate, or for bonding fresh concrete to existing concrete. It is a pre-proportioned kit consisting of a two-part, water-based epoxy and a combination of portland cement and fine aggregates.

**DURAL 452 MV**, **DURAL 452 LV** and **DURAL 452 GEL** are two-component, 100% solids, moisture insensitive, high-modulus epoxy adhesives and binders for numerous applications. **DURAL 452 MV** is a medium-viscosity formulation for general bonding, **DURAL 452 LV** is a low-viscosity formulation ideal for gravity feeding or pressure injecting cracks, and **DURAL 452 GEL** is a non-sag structural gel that is ideal for vertical and overhead bonding.

The products in the **DURAL 452** line can also be utilized in combination with clean, dry silica sand and be applied in a trowel-down fashion as a repair mortar.

**E3-DEEP POUR** is a high-strength epoxy grout designed for grouting machine and equipment bases of all types, and is formulated to be used in deep placements of up to 18 in (45.7 cm) per lift. This grout utilizes our patent pending DL Technology™ dustless aggregate, has low exotherm, and high resistance to many corrosive chemicals.

**E3-XTREME** is a high flow epoxy grout with outstanding effective bearing area, utilizing our patent pending DL Technology™ dustless aggregate. **E3-XTREME** is formulated for grouting equipment, wind turbine, and column bases where ultra-high strength and ultra-low creep are required.

## INDUSTRY LEADERSHIP

For more than a century, The Euclid Chemical Company has served as a leading supplier to the concrete and masonry industry offering a full line of engineered concrete admixture and construction products marketed under the EUCCO brand name. 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 industry leading customer service.

## CUSTOMER SOLUTIONS

The Euclid Chemical Company is unique in our offering of superior products, 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 certified quality system. The Euclid Chemical Company works hand-in-hand with customers:

- supplying field evaluations, recommendations and application problem-solving on a project-by-project and technology basis.
- assisting in product selection, specification, installation and related technology.
- attending pre-design meetings, assisting in clarifying specifications and recommending product selection.
- supporting you by providing proper pre-installation instructions and methods for achieving quality results.

## LABORATORY SERVICES

Our world class Cement and Concrete Reference Laboratory (CCRL) inspected facilities are equipped with state-of-the-art technologies and staffed by an exceptional team of professional, ACI certified technicians. These outstanding resources provide The Euclid Chemical Company the capability to offer comprehensive analytic and petrographic evaluation and testing services via programs that conform to the standards prescribed by the American Society for Testing and Materials, the U.S. Army Corps of Engineers (USACE), the American Concrete Institute and the International Concrete Repair Institute.

## 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. Many programs are AIA/CEU registered, allowing eligible attendees to earn professional development hours. Euclid Chemical is proud to sponsor these opportunities for our associates and colleagues as part of our ongoing commitment to the concrete construction industry.

## BUILDING GREEN

The Euclid Chemical Company offers an extensive line of green products that are specific to LEED guidelines. The LEED (Leadership in Energy & Environmental Design) Green Building Rating System provides a national standard for defining an environmentally friendly, sustainable "green" building. Points awarded to building projects based on water savings, energy efficiency, materials and indoor environmental quality.



**EUCLID CHEMICAL**

19215 Redwood Road  
Cleveland, OH 44110  
t 800-321-7628  
f 216-481-7072

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