



**EUCLID CHEMICAL**

# **FLEXOLITH™**

## TRAFFIC DECK COATING



FLEXOLITH™

FLEXOLITH™ SUMMER GRADE



# FLEXOLITH™ & FLEXOLITH™ SUMMER GRADE

## DURABLE, NON-SKID TRAFFIC DECK COATING

**FLEXOLITH overlays have been in service for over 50 years.** The FLEXOLITH epoxy coating and broadcast overlay system combines a strong, flexible epoxy binder with an aggregate containing aluminum oxide, which has high fracture and polish resistance. It is designed to provide protection from corrosion by de-icing salts and chemicals, prevent skids, and reduce noise.

### APPLICATIONS

FLEXOLITH and FLEXOLITH SUMMER GRADE are ideal for use as rugged and flexible overlay systems on projects such as bridges, parking decks, factories, warehouses, and loading docks.

### FEATURES AND BENEFITS

- Thin and lightweight, with high skid resistance
- Resistant to mechanical and thermal movements
- Moisture insensitive
- High early strength development
- Resistant to salt, water, ice, gasoline, chemicals, and oils
- Proven performance in a variety of climates, with service temperatures ranging from 140 to -50 °F (60 to -45 °C)
- Two set time formulations: FLEXOLITH for quick strength development or low temperature applications, and FLEXOLITH SUMMER GRADE for extended working time or higher temperature applications
- Can be applied as a trowel-down mortar, or as a broadcast system with different types of aggregates

### ADDITIONAL PRODUCTS IN THE TRAFFIC DECK COATINGS LINE INCLUDE:

**DURAL 50 LM** is a two-component, low modulus, 100% solids, acrylated epoxy resin. This product is designed to be used for gravity feeding hairline cracks to heal and seal through penetration.

**DURAL 335** is a solvent-free, two-component, moisture insensitive, ultra-low viscosity epoxy. This product is used as an alternative to methylmethacrylates to gravity feed hairline cracks.

**DURALDECK** is a multi-component, urethane deck coating system. The components of this system produce a VOC-compliant composite waterproofing system with high wear and abrasion resistance.

**TAMMSDECK** is an elastomeric, economical, urethane deck coating system. The components of this system produce a waterproof coating ideally suited for parking garages, balconies, and stadiums.

### FLEXOLITH CASE HISTORIES

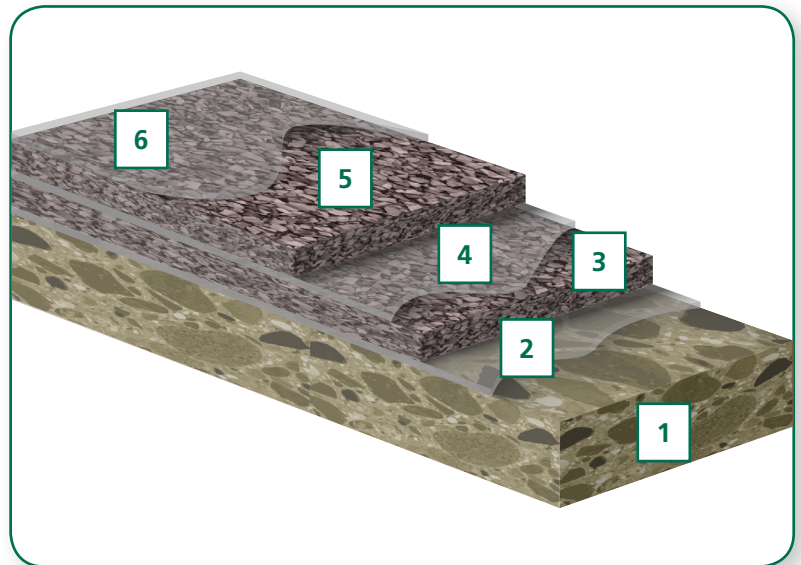
Year	Project	Location	Owner
1965	Railroad Platform	NY	Long Island Railroad
1979	Bayou Macon Bridge, Rt. LA572	LA	Louisiana DOT
1985	Yakima River Bridge, Rt. 82	WA	Washington DOT
1989	Phoenix Garage	NY	New York Garage Mgmt. Corp.
1992	Cleveland Bridge Project (12 bridges)	OH	Ohio DOT
1997	Route 58 Bridge	VA	Virginia DOT
2003	Main Street Bridge	PA	City of Bethlehem
2010	Pennsylvania Bridge Project (10 bridges)	PA	Pennsylvania DOT
2013	20th Street Bridge	CO	City of Denver
2015	Department of Justice Parking Garage	WI	Milwaukee Dept. of Justice



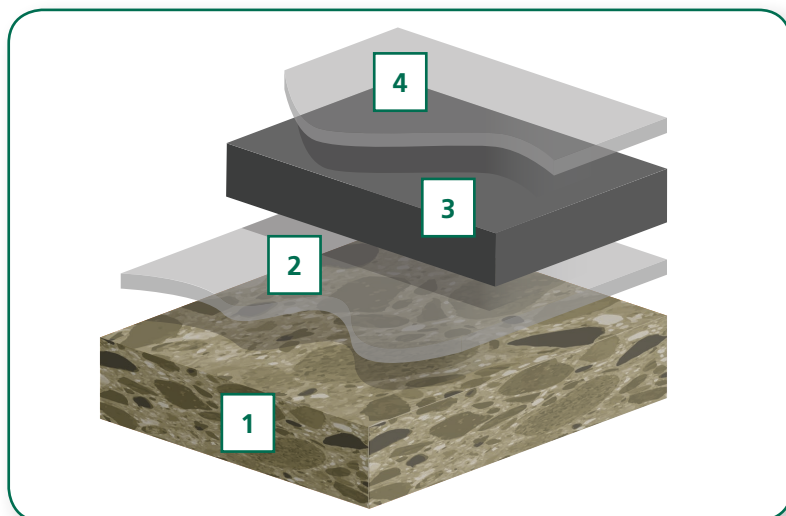
## METHODS OF APPLICATION

### BROADCAST APPLICATION WITH FLINT/BASALT AGGREGATE

- 1 Structurally sound, clean concrete substrate, mechanically abraded to CSP 4-6.
- 2 Prime coat of FLEXOLITH at 40-45 ft<sup>2</sup>/gal. (0.98-1.23 m<sup>2</sup>/L).
- 3 First broadcast of flint/basalt blend at 1.0-1.5 lbs./ft<sup>2</sup> (4.9-7.3 kg/m<sup>2</sup>).
- 4 Second coat of FLEXOLITH at 22-25 ft<sup>2</sup>/gal. (0.54-0.61 m<sup>2</sup>/L).
- 5 Second broadcast of flint/basalt blend at 1.5-2.0 lbs./ft<sup>2</sup> (7.3-9.8 kg/m<sup>2</sup>).
- 6 Optional (Heavy Duty): Third coat of FLEXOLITH at 22-25 ft<sup>2</sup>/gal.



### TROWEL DOWN APPLICATION WITH FLEXOLITH MORTAR



- 1 Structurally sound, clean concrete substrate, mechanically abraded to CSP 4-6.
- 2 Prime coat of neat FLEXOLITH at 200 ft<sup>2</sup>/gal. (4.91 m<sup>2</sup>/L).
- 3 Trowel-applied FLEXOLITH mortar at 1/4 in (6.35 mm) thickness.
- 4 Seal coat of neat FLEXOLITH at 150-250 ft<sup>2</sup>/gal. (3.68-6.14 m<sup>2</sup>/L).

## INDUSTRY LEADERSHIP

For more than 100 years, 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 9000:2008 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

**B110 FLEXOLITH** © 2016 The Euclid Chemical Company. This material is provided for informational purposes only. The Euclid Chemical Company expressly disclaims any liability relating to the use of this material. Nothing stated herein shall give rise to or constitute any warranty by The Euclid Chemical Company, express or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. The information provided in this material is not intended to be all inclusive, as the manner in which any product is used or handled may involve other or additional considerations that are not addressed herein.