



ELIMINATOR[®]

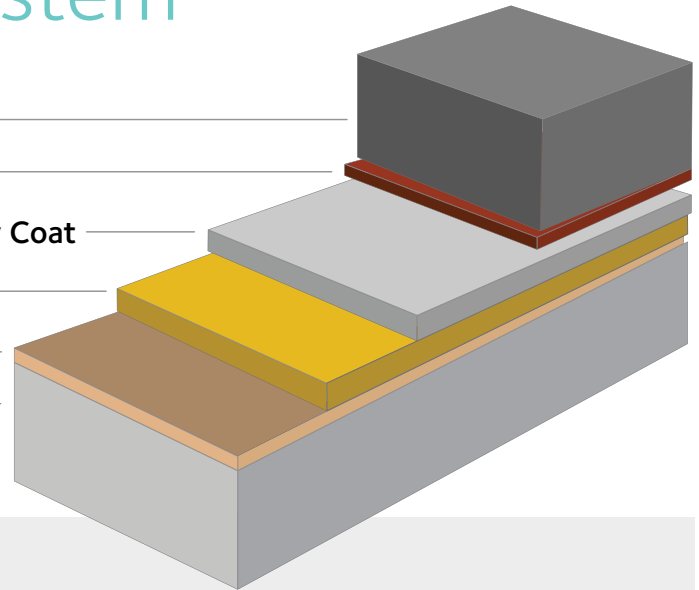
Bridge Deck Waterproofing



PROUDLY PART
OF SAINT-GOBAIN

The ELIMINATOR® System

- Pavement Overlay: Asphalt/Concrete
- Tack Coat: Modified Bitumen Bond Coat SA 1030
- (Optional) ELIMINATOR® Membrane (2nd Coat) Grey Coat
- ELIMINATOR® Membrane (1st Coat) Yellow Coat
- Concrete or Steel Primer/Corrosion Inhibitor
- Bridge or Deck Substrate



PHYSICAL PROPERTIES:

Property	Test Method	Result
Application Temperature	-	-10°F to 120°F (-23°C to 50°C)*
Gel Time	Internal	6-11 minutes @ 68°F (20°C)
Overcoating Time	Internal	45 minutes @ 68°F (20°C)
Water Absorption	ASTM D570-81	< 3.5%
Water Vapor Transmission	ASTM E96-00	1 gm/m ² /day (≤1.0 perms)
Tensile Strength (typical)	ASTM D638-91	1,700 psi (11.8 MPa)
Elongation At Break (typical)	ASTM D638-91	130%
Low Temperature Flexibility	CAN CGSB 37.5 M89	Pass @ -13°F (-25°C), 1/4 inch Mandrel
Resistance To Aggregate	BD 47	100% Recovered Thickness** @ 104°F (40°C) and 257°F (125°C)
Dynamic Ballast Impact	SNCF 181kN/2x10 ⁶ cycles	No Damage or Leak
Tensile Bond Strength (minimum)		
Concrete	ASTM D4541-89	100 psi (0.7 MPa)
Steel	ASTM D4541-89	290 psi (2.0 MPa)
Shore Hardness	ASTM D6132	≥40D
Volume Resistivity	-	8.27E+14 Ohms-cm (ER295A)
Surface Resistance	-	2.45E+13 Ohms (ER295A)

* Temperature extremes require additional site dosing. Please consult with GCP Technical services.

** Samples subsequently tested to resistance to chloride ion penetration. Result: 0% increase in chloride ion penetration.

Protection You Can Trust

Waterproofing highway bridges is critical to their structural integrity and lifespan. Fault in product performance or application can be costly and, at worst, devastating. Eliminate risk and return to service faster with GCP's proven waterproofing system and best-in-class technical support.



PRODUCT FEATURES:

- Able to withstand high humidity and cures rapidly even at low temperatures enabling all year round application
- Rapid application and return to service
- Excellent crack-bridging across a wide temperature range, especially in cold temperatures
- Excellent abrasion and chemical resistance
- High bond to substrate, preventing tracking of water under membrane
- High thixotropy for application to vertical and horizontal surfaces
- Seamless, and chemically bonds to itself
- Two color-coded coats assure highest quality system minimizing defects
- Withstands 480°F pavement placement on the cured membrane
- Tolerant to direct ballast loading without protection board. Conforms to AREMA Specifications Chapter 29-2-6, 2.3.10
- Quality assured with ISO9001 certified manufacturing location

ELIMINATOR® FAST FACTS

- Used on over **12,000** road and rail bridge surfaces worldwide
- Protects **9 major bridges** in the New York City Metro
- Over **160 million ft²** of the ELIMINATOR® system applied

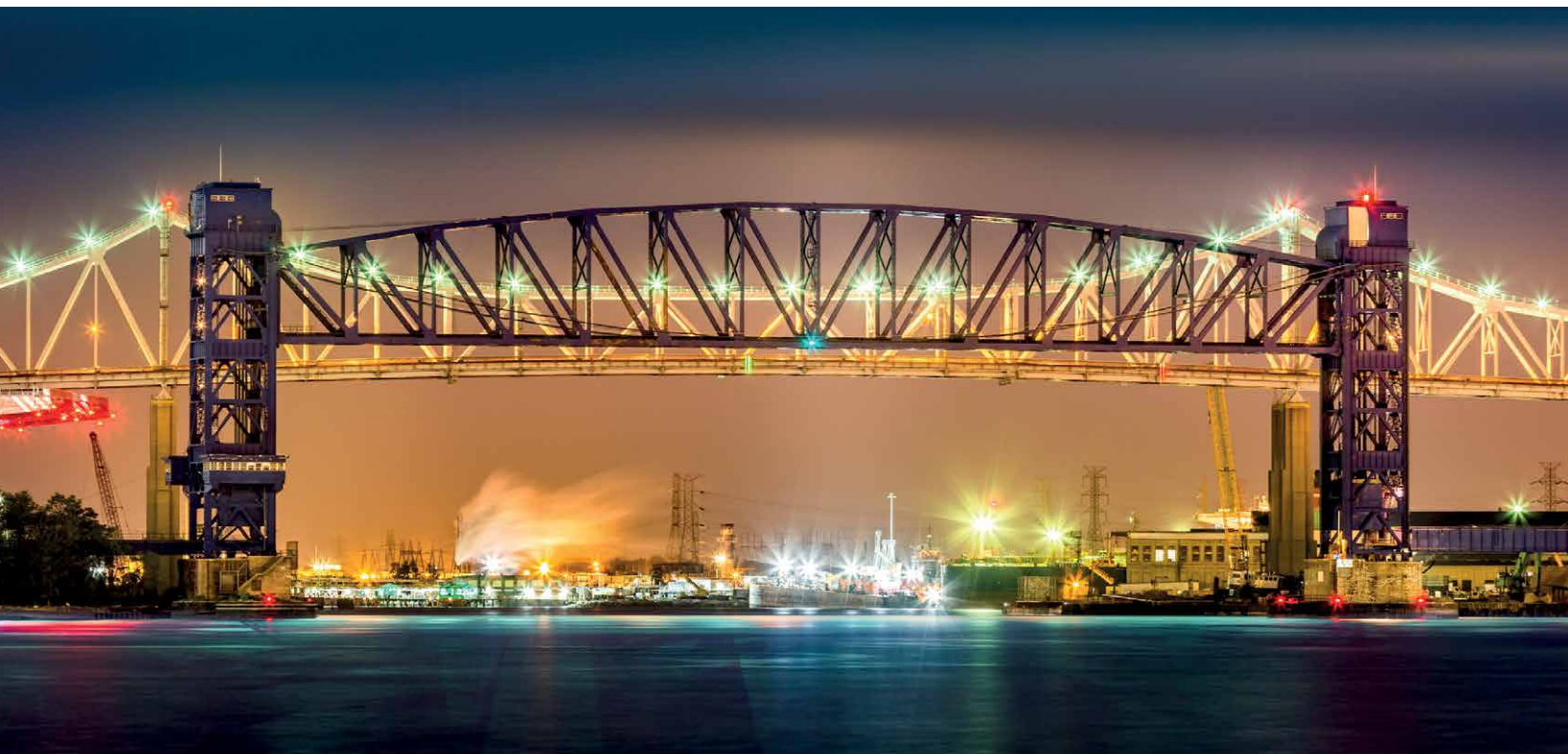
FEATURED NORTH AMERICAN PROJECTS

A. Murray MacKay Bridge	Canada	New Tacoma Narrows	United States
Al Zampa Memorial Bridge	United States	Ohio River Bridge	United States
Angus L. MacDonald Bridge	Canada	Princess Margaret Bridge	Canada
Arch Bridge Dedham	United States	Queensboro Bridge	United States
Brooklyn Bridge	United States	Robert Moses Causeway	United States
George Washington Bridge	United States	St. John Harbour Bridge	Canada
Goethals Bridge	United States	Throgs Neck Bridge	United States
Governor Mario M. Cuomo Bridge	United States	Verrazano Narrows Bridge	United States
Louis-Hippolyte LaFontaine Bridge	Canada	West Cornwall Bridge	United States
Manhattan Bridge	United States	Williamsburg Bridge	United States
Neponset River Bridge	United States		

NEW AND REFURBISHED
BRIDGES

ROAD, RAIL AND FOOT
BRIDGES

CONCRETE AND STEEL
BRIDGES



Designed with Purpose Optimized for Performance

ELIMINATOR® offers distinct advantages to all key stakeholders who rely on these bridges for a safe, reliable means of travel and commerce.

Owners and specifiers enjoy piece of mind knowing ELIMINATOR®:

- Protects with 100% effectiveness.
- Extends intervals between maintenance cycles and extends the service life of bridge decks.
- Allows for more predictable construction and timelines.
- Installs quickly, reducing disruption while protecting revenue streams.
- Owns a superior track record of performance for over 40 Years

Engineers and applications trust ELIMINATOR® due to its:

- Seamless application with no vulnerable joints.
- Light weight reducing overall dead weight of structure.
- Extreme versatility, year-round application from -10°F to 120°F
- Resistance to site damage, water, salts, fuels and weather
- Acceptance on all surface contours, profiles and verticals.
- Trafficability in one hour after application.

NOT JUST PRODUCTS, PARTNERS IN SUCCESS

Backed by an expert technical service team with over 40 years of experience, GCP works hand in hand with all stakeholders to protect new bridges and extend the life of existing ones.

Services Include:

- Design Specifications Review
- Environmental Condition Analysis
- Project Scheduling
- On-site Quality Assurance
- Applicator Training and Education
- Pump & Equipment Support

Keeping our world connected

From bridges to tunnels and everything in between, we protect the infrastructure that connects people. With a comprehensive, wide array of infrastructure protection products, every solution that we offer is durable, cost-effective and versatile to keep the world moving:

- **BRIDGEMASTER®**: a fast curing, waterproofing and skid resistant wearing course for the protection of bridge decks
- **SAFETRACK® SC**: a fast curing, UV stable coating creating a highly visible, slip resistant demarcation system
- **SAFETRACK® DS**: a rapidly curing, liquid applied waterproofing and surfacing system designed specifically for parking garage application
- **SAFETRACK® HFS**: a liquid applied, rapid cure high friction surfacing system
- **SAFETRACK® MTI**: a fast, efficient microtrench reinstatement system

For more information on ELIMINATOR® and our bridge and roadway solutions, visit gcpat.com

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

ELIMINATOR and GCP APPLIED TECHNOLOGIES are trademarks which may be registered in the United States and/or other countries, of GCP Applied Technologies Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status. These products may be covered by patents or patents pending.

© Copyright 2024 GCP Applied Technologies Inc. All rights reserved. | BE0182 STL-002-0824 ELIMINATOR® Project-Brochure
GCP Applied Technologies Inc., 20 Moores Rd, Malvern, PA 19355 USA.

