



## BRIDGE-TECH SYSTEM



**Protective Spray Coating System**  
for Highway and Railroad Elevated Decks



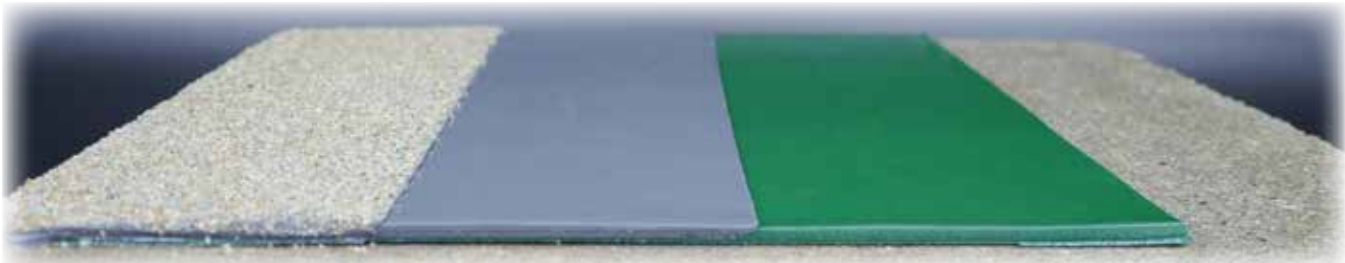
# Rapid Curing Technology



Chemline's BRIDGE-TECH system is specially formulated to extend the life of transportation infrastructure. Using the latest in polymer technology, our BRIDGE-TECH system provides a waterproof membrane to protect concrete and steel from the corrosive effects of moisture and salts. These are the most common exposure hazards to bridges and elevated decks. This system prolongs the life of the underlying steel reinforcement and can also be modified to act as an integrated ballast mat for railway structures.

The Chemline BRIDGE-TECH system consists of a polyurethane primer, a membrane coat and a topcoat. The primer, membrane coat and topcoat can be applied with minimal down time, even in the harshest conditions. The **Primers** are designed to protect either concrete or steel from the corrosive nature of the elements and de-icing chemicals while providing an excellent adhesive bond to the substrate. The **Membrane Coat** provides excellent barrier properties to isolate the substrate from the environment. The **Top Coat** is designed to cure slow enough to accept an aggregate, yet fast enough to accept a hot asphalt layer in as little as an hour.

- » Rapid curing, waterproof basecoat for bridge structures
- » Fast dry primers for concrete and metal surfaces
- » Quick return to service of the asset
- » Composite membrane protection mat for ballast application when specified



We help our Contractors succeed every day.

# Concrete Highway & Steel Railroad Bridge Deck Systems

CP

**BRIDGE-TECH CP** is a two-component polymer primer specifically formulated to penetrate deep into the concrete substrate.

- **Sub-Freezing Cure:** Can cure at temperatures well below freezing
- **Rapid Cure:** Cures in 30 minutes
- **Versatile Application:** Hand mix then squeegee, roller or spray apply
- **Super Low Viscosity:** Easily penetrates concrete for permanent bond
- **Concrete Sealer:** Seals concrete to help prevent pinholes and protect steel reinforcement

SP

**BRIDGE-TECH SP** is a two-component, high performance polyurethane primer specifically formulated to adhere strongly to the steel substrate.

- **Rapid Cure:** Ready for recoat in as little as 15 minutes
- **Excellent Adhesion:** Will adhere extremely well to blasted and unblasted metal surfaces
- **Low Viscosity:** Designed for thin film application of 0.5 to 1.5 mils dry film thickness
- **Corrosion Inhibitive Additives:** Provides a long service life in harsh conditions

MC

**BRIDGE-TECH MC** is a pure polyurea elastomeric coating. It is formulated specifically for use as a waterproof membrane to protect both steel and concrete against corrosive conditions. This coating can also be applied at specified film thicknesses in one continuous application onto horizontal, vertical or overhead surfaces. It offers superior performance against corrosive effects on all types of elevated decks.

- **Environmentally Friendly:** 100% Solids, No VOCs
- **Rapid Cure:** Will cure within seconds of spray application
- **Seamless:** Easily bridges cracks and irregular surfaces for a seamless, waterproof membrane
- **Exceeds Industry Standards:** Surpasses performance requirements set by ASTM C836 for Liquid Applied Elastomeric Waterproofing Membranes

TC

**BRIDGE-TECH TC** is a fast-set, 100% solids, two-component, polyurea top coat membrane for steel or concrete substrates. It can accept asphalt overlays or ballast within one hour of application. It can also be applied at specified film thicknesses in one continuous application onto horizontal, vertical or overhead surfaces.

- **Environmentally Friendly:** 100% Solids, No VOCs
- **Slower Gel Time:** Allows aggregate to be broadcast into material before initial set
- **Crack Bridge Capability:** Passes ASTM C1305 "Standard Test method for Crack Bridging Ability of Liquid Applied Waterproofing Membranes"

SWM

**BRIDGE-TECH SWM** is a spray applied, integrated membrane coating, designed specifically for use as a superior elastomeric protection mat. The result is a tough, waterproof, resilient and impact resistant membrane developed for the rigorous and repetitive demands of railway service.

- **Environmentally Friendly:** 100% Solids, No VOCs
- **Rapid Cure:** Gel time of 20 seconds, tack free in 1 minute, accepts ballast loading in 1 hour
- **Seamless:** Provides a seamless waterproof membrane coating that protects against the migration of water, salt and harsh chemicals
- **Impact Resistance:** Passes North America Ballast Impact Test (9.2 to 28.1 kips, 2,000,000 cycles) – no holidays





# From Humble Beginnings... To Chemline Today



Chemline, Inc. was founded in 1997 in John Pantanella's garage. Today our headquarters in St. Louis, MO and manufacturing plant in Los Angeles, CA develops and distributes product to customers across North America. We offer the most complete line of polyurethane, polyurea and hybrid coatings in the industry. Our 100% solids, fast-set coatings provide lasting protection for steel, aluminum, concrete, wood, foam, and geotextile structures.

Chemline's **OEM division** creates custom solutions for manufacturers who use fast-set products in their high-throughput operations. Our **Contractor division** serves a broad range of application environments and brings a hands-on approach to every coating solution. For both OEM and Contractor spaces, our coatings are used in some of the most demanding applications on earth. Give us a chance to work with you to find the best formulation for your application needs.

We are also a **Top 20 Distributor for Graco spray equipment**, making Chemline a one-stop shop. Our trained technicians are ready to assist you with your application challenges, including on-site training or technical assistance, at no additional cost.



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