BASF solutions for the bridge industry are built upon a solid foundation of proven, advanced chemistry, and intelligent networking of technologies, know-how, products and service. We help make the structures you build better.

The Bridge Challenge

Structural integrity and the long-term durability of bridge elements are critical factors to the health of our nation’s bridges. As of 2013 the total number of structural deficiencies on federal-aided bridges in the U.S. was 133,363, of which 12% were critical. After only six months to a year, the elements, traffic, debris, oil and gas spills, water, even the moisture in the concrete can all lead to decay, corrosion and deterioration. All of these factors along with maintenance deficiencies can lead to safety and liability issues, as well as economic impact due to the disruption of traffic delays and bridge closings.

The know-how and expertise of a global community of BASF construction professionals helps us to address the complex needs of global bridges. As of 2013 the total number of structural deficiencies on federal-aided bridges in the U.S. was 133,363, of which 12% were critical. After only six months to a year, the elements, traffic, debris, oil and gas spills, water, even the moisture in the concrete can all lead to decay, corrosion and deterioration. All of these factors along with maintenance deficiencies can lead to safety and liability issues, as well as economic impact due to the disruption of traffic delays and bridge closings.

The problems we encounter out in the field challenge even the most mature and sophisticated solutions, so our aim is to develop solutions that are both advanced and offer a better way of managing the complex factors that are beyond our control. Strategic partnerships can help make the structures you build better.

Master Builders Solutions from BASF

The Master Builders Solutions brand brings all of BASF’s expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than 150 years of construction industry leadership.

We know that a bridge is more than just a structure—it is part of the fabric of the communities it connects. We are committed to helping bridge owners and operators maintain their bridges, so they can continue to serve their communities.

Master Builders Solutions products from BASF for the Construction Industry:

- **MasterGrip**
  Solutions for concrete injection

- **MasterResin**
  Solutions for super-plasticized concrete

- **MasterTop**
  Flooring solutions for hard environments

- **MasterShrink**
  Solutions for water-reduced concrete

- **MasterKure**
  Solutions for high-performance concrete

- **MasterProtect**
  Solutions for concrete protection

- **MasterProtect**
  Solutions for high-performance concrete

- **MasterCool**
  Solutions for concrete cooling

- **MasterMatrix**
  Advanced rheology control solutions for self-consolidating concrete

- **MasterPozzolith**
  Solutions for enhanced durability

- **MasterSet**
  Solutions for workability control

- **MasterSure**
  Solutions for waterproofing and sealing

- **MasterInject**
  Solutions for workability control

- **MasterFiber**
  Solutions for super-plasticized concrete

- **MasterEmaco**
  Solutions for cement manufacture

- **MasterPozzolith**
  Solutions for enhanced durability

- **MasterKure**
  Solutions for high-performance concrete

- **MasterFiberglass**
  Solutions for concrete strengthening

- **MasterBrace**
  Solutions for air-entrained concrete

- **MasterFiber**
  Solutions for concrete strengthening

- **MasterPel**
  Solutions for equipment treatment

- **MasterSet**
  Solutions for workability control

- **MasterSure**
  Solutions for waterproofing and sealing

- **MasterInject**
  Solutions for workability control

- **MasterFiber**
  Solutions for super-plasticized concrete

- **MasterPel**
  Solutions for equipment treatment

- **MasterSet**
  Solutions for workability control

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Concrete Repair Solutions

Concrete repair materials are formulated to correct deep, wide or long cracks in concrete structures. These consist of multiple layer waterproofing systems, polymer modified concrete mortars, thin epoxy and methacrylate overlay systems, and hydraulic cement-based grouts and mortars....

Concrete decks require protection from chloride ion intrusion from de-icing salts, as well as freeze-thaw and extending the service life of new and surface penetration creating lasting protection. BASF products provide deep Water repellents chemically bond with concrete means by preventing anode transfer. With MasterSeal 630 for increased protection. Ideal for cold weather applications. BASF offers Water-based 100% penetrating silane sealer. Water-based 40% silane penetrating sealer. Discr...