



- CRACK REPAIR EPOXY INJECTION
- CONSTRUCTION BONDING
- GROUTING, PATCHING AND CASTING
- PROTECTIVE COATINGS
- EPOXY ASPHALT
- OPEN GRADED PERMEABLE ASPHALT
- VERY HIGH RAP MIXES
- INSULPOX
- CHEMICAL GROUTS

ADVANCED CONCRETE SOLUTIONS:
BONDING, REPAIR AND PROTECTION



CONCRETE REPAIR AND PROTECTION

ChemCo Systems manufactures a versatile group of polymer products for structural bonding, repairing, surfacing and protecting all types of construction materials. We encourage our customers to challenge us with difficult substrates, extreme temperatures, unusual applications, and extreme environments. With chemical and physical testing located next to our product R&D, we can simulate almost any condition and quickly screen existing products or new formulations.



CRACK REPAIR EPOXY INJECTION

The Kemko® applicator system is an international network of certified concrete repair specialists trained by ChemCo using our single source adhesives and metering equipment. For restoration projects involving sensitive, architectural facings because the masonry surface is not defaced when our new peelable product, StripSeal™, is used as a surface seal. There is no limit to the type of structural repair possible at low cost and with minimum downtime.

TYPICAL APPLICATIONS

- Repair of cracks and delaminations resulting from shrinkage, settlement, and mechanical or seismic overloading.
- Grouting narrow to deep voids for full bearing
- Rebonding of delaminated overlays
- Bonding external and internal steel reinforcement
- Repair of glu-lam beams and wood trusses
- Filling precast box girder bridge keyways in segmental bridge construction



CONSTRUCTION BONDING, MORTARS AND GROUTS

ChemCo Systems provides adhesives which can be troweled, sprayed, poured or brushed. Products range from very quick set for cold weather and rapid strength development to slow set for high temperature and long open times. These products cover many uses:

- Bonding large precast segments
- Anchor bolts, dowels and rebar
- New overlays to old concrete
- Joining dissimilar materials such as steel, wood, rubber and FRP bar or fabric
- Control joint fillers and FAA P606 grouts for runaway lighting and wiring
- Low modulus binders for high mechanical and thermal shock resistance
- PU chemical grouts for below grade waterproofing, soil stabilization and slab jacking



YOUR PARTNER IN STRUC

PROTECTIVE COATINGS

For demanding industrial uses, corrosive manufacturing conditions, secondary containment and high erosion or wear, ChemCo Systems has the answer. Many of our products can handle damp or wet substrates during application. All coatings are 0 or near 0 VOCs. Typical applications include:

- Seamless industrial floors
- Exposed steel and rebar during rehabilitation
- Marine environments including splash zone
- Secondary containment for concentrated mineral acids
- Structural walls exposed to salts and chemicals
- Sealing porous concrete
- Skid resistant floors
- Green concrete and moisture vapor retarding primers



INSULPOX™ - INSULATING POLYMER CONCRETE

InsulPOX is a high-performance epoxy insulating polymer concrete (IPC) composite overlay for cryogenic secondary containment in LNG terminals, dike walls, sumps, and floors.

It is formulated for exterior applications where thermal and trench insulation is required including trench floors and walls and sumps in LNG terminals as well as containment trenches for other cryogenic liquefied gases and sumps. Does not embrittle; stays tough and flexible

- Environmentally safe - 0 VOC solvents
- Excellent resistance to abrasion
- Excellent thermal and mechanical shock resistance
- Long working time allows easy placement
- Non-flammable, UV resistant
- Provides seamless installation
- High compressive strength IPC supports light vehicles
- Can be used to repair other cryogenic insulating materials
- Availability in custom sized precast panels can speed up installation



EPOXY ASPHALT

Epoxy Asphalt Concrete is a polymer concrete that is composed of Epoxy Asphalt binder mixed together with hot, standard asphalt aggregate. A hot spray application of an Epoxy Asphalt bond (tack) coat precedes the laying of the Epoxy Asphalt. It is applied and compacted with conventional asphalt concrete paving equipment. The pavement is quickly ready for traffic.

- Excellent for use with orthotropic steel decks
- Binder does not melt, oxidize or stiffen with age
- Weight saving thin overlays possible
- Excellent adhesion to steel and concrete
- Extreme durability—resists rutting and shoving
- Marshall stability > 22,500 lb (100 kN)
- Low temperature paving lowers energy consumption
- High RAP mixes (>90%) can be used in surfacing
- Extends lifespan of OGFC permeable pavements





ABOUT CHEMCO SYSTEMS

At ChemCo Systems, we believe that expertise and responsiveness make all the difference to our customers. Our staff engineers and chemists average over 25 years of industry experience and many participated in the original development of structural adhesives for concrete repair and restoration. Our team of engineers, chemists, and technical staff work closely to support field applications, often with custom formulations.

ChemCo Systems manufactures a diverse selection of extremely durable polymer systems for use in construction applications. Our products are designed to install, protect or repair architectural and structural concrete, steel, wood as well as both carbon and glass fiber composite systems. Over 150 ChemCo products are available for: structural crack repair, anchor bolts, coatings and sealants for corrosives, machine bases, old-to-new pours, seismic upgrades, plate bonding reinforcement, spall and void repair, underwater (marine), PU chemical grouts for waterproofing and soil stabilization, slab jacking and extreme environments. ChemCo offers custom formulation, compounding, toll manufacturing, and product testing services using ASTM, ACI, ICRI, AASHTO and DOT standards and specifications.

ChemCo Systems' extensive products are manufactured in strategic locations across the United States including CA, the Midwest and Gulf Coast. We maintain inventory of raw materials and finished goods to serve contractors' needs quickly.

CUSTOM FORMULATION AND TESTING

ChemCo Systems offers a highly experienced technical service and R&D team to provide quick response for difficult applications. Our testing lab is well equipped to handle most ASTM and international standards and specifications. Examples of recent innovations include:

- Fast setting extremely low viscosity epoxy healer sealer for cracked concrete
- Flexible, clear epoxy topcoat for floors—reopen in less than 6 hours.
- Green concrete primer

