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<td>Applications ranging from highways, airports, bridge decks and parking lots to city streets, curbs and gutters, all require curing compounds formulated to cure for <em>strong, durable concrete</em> that meets and exceeds the ASTM C309 Standard Specification.</td>
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<td>Our premium line of liquid hardeners and guards were created to provide the ultimate in densifying, hardening and protection for your concrete surfaces. Floors in factories, warehouses, schools, hospitals, breweries, food processing plants, service garages, and more will <em>last longer, cost less to maintain, and resist dusting</em> for years after application.</td>
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<td>SpecChem’s industry-leading tilt-up bond breaker products are chemically reactive and specifically engineered to provide clean and easy lift of tilt-up panels. Our bond breakers are <em>formulated to leave no residue, stain, or discoloration</em>, and contain no diesel, kerosene, waxes, or silicones.</td>
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<td>Maintaining surface moisture on concrete floors, slabs, and repairs in extreme and inclement weather conditions can be challenging. SpecChem Evaporation Retarders are designed to comply with ACI 302 and reduce rapid moisture loss, preventing plastic shrinkage and cracking - without affecting the adhesion of curing compounds and other treatments.</td>
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<td>Upgrade driveways, patios, walkways, pool decks, or any horizontal surface where you want to <em>reveal the true beauty of decorative aggregate</em> in concrete with SpecChem’s Surface Retarders. Our easy-to-use spray-applied products are specially engineered to remove the surface of freshly placed concrete, exposing a <em>remarkable aggregate finish</em> that is both <em>durable and skid-resistant</em>.</td>
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Section 09 **Cleaners & Strippers**

Whether you need to *remove grease, grime, or other contaminants* from your concrete surface, *soften and remove concrete buildup* from your tools, brighten and *rejuvenate existing sealer surfaces*, or simply *strip away deteriorated layers*, SpecChem has a formula. Our family of Cleaners & Strippers includes a variety of products that meet these application needs and more, including low VOC versions.

Section 10 **Water Repellents**

*Moisture* is, without a doubt, one of concrete's *worst enemies*. For interior and exterior above grade concrete and masonry surfaces, protecting against moisture, salts, corrosion, spalling, and deterioration is a *top priority*. Our *100% reactive penetrating water repellents* come in a variety of *VOC compliant* formulas to protect decks, pavements, parking structures, ramps, bridges, marine platforms, and more.

Section 11 **Specialty Epoxies & Polyurea Products**

Our performance-driven line of *epoxy bonding agents*, *crack injection* and joint control products, *specialty epoxy grouts*, *mortars*, and *sealers* are all based on our desire to engineer formulas that exceed their respective standards and provide premium performance for commercial and industrial applications.

Section 12 **Cementitious Grout**

Our *cement-based, high performance, non-shrink grouts* are developed to provide strength and durability in a variety of specialty applications. From general, high-strength, multi-purpose grouting to flowable, non-shrink, precision applications; from metallic grouts to pumpable, wash-out resistant grouts designed for underwater use, SpecChem has a grout *formulated to exceed ASTM and CRD standards*.

Section 13 **Dry Shake Hardeners**

A mix of finely graded, non-metallic quartz aggregates, plasticizer and cement binder that integrates into the concrete and produces *an abrasion-resistant surface*, perfect for lobbies, waiting rooms, showrooms and service centers, factory and warehouse, and any interior or exterior floor benefitting from *increased wear resistance*. Color options available upon request.

Section 14 **Repair Products**

Our system of *concrete repair and restoration products* is formulated for professionals who are serious about the *repair, stabilization, restoration and strengthening of concrete* projects. Our full line of professional concrete repair and restoration products features cementitious concrete patching and repair mortars – for horizontal, vertical, and overhead needs, self-leveling underlayments, polishable overlays, epoxies, and more.

Section 15 **Acrylic Bonding Agents**

Our *acrylic bonding agents* are formulated to *provide superior adhesion and increased durability* of concrete, masonry, stucco, terrazzo, and Portland cement-sand mixes to horizontal and vertical concrete and more.

Section 16 **Asphalt Patching, Waterproofing & Damp Proofing**

Our *Max-A-Guard* line of VOC compliant products is specially formulated to *patch, repair, and protect asphalt* surfaces, and features our premium, DOT approved, 0 VOC asphalt cold patch. Additionally, our asphalt emulsion coatings are designed specifically for *waterproofing, damp proofing and protecting* surfaces on exterior below grade and between-slab applications.

This symbol indicates that the product it appears next to is Green Conscious 🌿
INDUSTRY INVOLVEMENT

At SpecChem, we take our commitment to being an industry leader very seriously. We serve five key concrete markets – commercial, industrial, residential, DOT & infrastructure, and repair & restoration. If there’s an industry trade group or association involved with these key market segments – or the industry in general – there’s a pretty good chance we’re involved. Some of the organizations we participate in and support:
SpecChem: The Company

About SpecChem

We are a Kansas City-based manufacturer supplying the concrete distributor network with high quality, industry-leading concrete construction materials.

We manufacture a full line of liquid chemical technologies, including form release agents, paving and curing compounds, evaporation retarders, cures & hardeners, bond breakers, sealers, bonding agents and surface retarders, as well as an array of cleaning and stripping products.

Additionally, we manufacture a line of specialty epoxy products that includes adhesive bonding agents, epoxy sealers and coatings, high-strength epoxy mortars and grouts, and epoxy and polyurea control joint fillers.

Our asphalt patching, waterproofing, and damp proofing line of products are designed to patch, repair, and protect asphalt surfaces, along with asphalt emulsion coatings for waterproofing, damp proofing and protecting a variety of surfaces on exterior below grade and between-slab applications.

Our comprehensive line of cementitious grouts, repair mortars, underlayments and overlayments, and specialty concrete accessories round out an exhaustive line-up designed to provide quality, innovation, and value to distributors, specifiers, and contractors.

The Company

We’ve worked hard to build, maintain, and continue growing a strong team of experienced industry professionals focused on building solid, long-term relationships, increasing distributor profitability, continually evolving and developing new products, and providing premium, best-in-class customer service.

With over 300 years of collective industry experience and expertise, we are well positioned to continue expanding our leadership role in an industry poised for growth.

Visit specchemllc.com to learn more about our team.
Form Release Agents
Products that improve the release of your formwork.

Bio Strip WB
Bio Strip WB is a 100% natural, biodegradable, petroleum-free, chemically reactive release agent, ideal for sensitive environmental situations such as bridge formwork over rivers and streams or potable water reservoirs. Bio Strip WB provides quick, easy release and leaves an architectural bondable concrete surface.

Available in 5, 55, and 275 gal units

Bio Strip WB Concentrate
Bio Strip WB Concentrate is a 100% biodegradable, chemical release agent emulsion concentrate that, when properly diluted with water (4-to-1) provides a positive release ideal for sensitive environmental situations such as bridge formwork over rivers and streams or potable water reservoirs. Bio Strip WB Concentrate provides quick, easy release on wood, steel, aluminum, and elastomeric liners and leaves an architectural bondable concrete surface.

Available in 5, 55, and 275 gal units

Dry-Deck WB
Dry-Deck WB dries to form a durable, clear, waxy film which chemically reacts with the concrete to produce a smooth, architectural concrete finish. Dry-Deck WB provides quick, easy release and leaves an architectural bondable concrete surface.

Available in 5, 55, and 275 gal units
SPORTING KANSAS CITY
Children's Mercy Park

Bio Strip WB, E-Cure, SpecRez, All Shield

Children's Mercy Park, home of MLS team Sporting Kansas City, is an award-winning 18,500-seat stadium hosting Major League Soccer matches and other field sports, with additional capacity of up to 27,000 for concerts.

The facility includes a number of amenities for players, including a high-end clubhouse area, complete with hydrotherapy room, shower areas, cardiology workout rooms, and players' lounges, as well as locker rooms, the team doctor's office, reception and maintenance areas, and administrative and support areas. An outdoor plaza area located on the west side of the stadium is utilized for concerts and private events.

SpecChem’s system of environmentally friendly chemical solutions were utilized during all concrete phases of construction. Bio Strip WB ensured a clean, consistent, architectural release on all concrete from the first tie-back walls, piers, and footings to final field-level walls, stairs, and risers. E-Cure was applied to columns, as well as all interior hard-troweled slabs to cure, densify and strengthen. SpecRez was used as the curing compound on all exterior slabs. Finally, All Shield was used as a concrete protectant and stain repellent in all food service areas for its remarkable resistance to oil, water, food stains, and other liquid contaminants.
Form Seasoning WB is a water-based treatment for new aluminum forms. It oxidizes the elemental aluminum on the surface of new aluminum forms to properly season and prepare them for use.

SpecStrip is a chemically reactive release agent specially engineered to positively prevent bonding of the concrete to forms and form liners.

TriAct is a concentrated, highly-reactive petroleum mixture that, when properly diluted, can be used as a reactive form release agent, an aluminum form “seasoning” agent, and a softener and maintenance coating.

SpecBlast is a chemically reactive liquid formulated to soften and remove concrete buildup from concrete tools and equipment. SpecBlast is designed to help avoid the damaging effects of sandblasting, bushhammering and jackhammering hardened concrete from equipment.

Looking for a low VOC form release agent that contributes to LEED credits?

Our green-conscious Bio Strip WB is our 100% natural, organic, chemically reactive release agent, and is ideal for sensitive environmental situations such as bridge formwork over rivers and streams or potable water reservoirs. Bio Strip WB provides a quick and easy release, leaving an architectural bondable surface with no residue. And with a VOC content of less than 20 grams per liter, Bio Strip WB meets the stringent emissions requirements for OTC and SCAQMD.
Form Seasoning WB
Form Seasoning WB is a water-based treatment for new aluminum forms. It oxidizes the elemental aluminum on the surface of new aluminum forms to properly season and prepare them for use. Once seasoned, use a quality reactive form release agent like SpecStrip to produce a clean release.

Available in 5, 55, and 275 gal units

SpecStrip
SpecStrip is a chemically reactive mineral oil based concrete release agent specially engineered to positively prevent bonding of the concrete to forms and form liners, and contains no waxes or silicones. SpecStrip is made to improve the release of formwork, reduce concrete buildup on formwork and liners, reduce cleaning of formwork, prevent rust on forms, and reduce stains or discoloration.

Available in 5, 55, and 275 gal units

SpecStrip WB
SpecStrip WB is a reactive water-based, emulsified mineral oil release agent for all types of concrete forms. Forms treated with SpecStrip WB release easily, minimizing the number of bug holes. SpecStrip WB will not damage styrene bead or form liners, and leaves a coating on steel forms that inhibits rust. May contribute to LEED credits.

Available in 5, 55, and 275 gal units

SpecStrip Plus
SpecStrip Plus is a premium chemically reactive mineral oil based, concrete release agent designed to positively prevent bonding of the concrete to wood, steel, and aluminum forms. SpecStrip Plus contains no diesel, kerosene, waxes, or silicones. SpecStrip Plus offers superior performance, improving release of formwork, reducing concrete buildup on formwork, and prevents rust on forms. Leaves no residue or stains.

Available in 5, 55, and 275 gal units
**Deco Liquid Release**
Deco Liquid Release is a colorless liquid release formulated and recommended for use with decorative, elastomeric concrete texturing mats. It forms a lubricating barrier that prolongs the life of the imprinting tools by decreasing the friction between the mats and the concrete.

Available in 5, 55, and 275 gal units

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**TriAct**
TriAct is a concentrated, highly reactive mineral oil based, concrete mixture that, when properly diluted, can be used as a reactive form release agent, an aluminum form "seasoning" agent, or a concrete softener and maintenance coating. This versatility reduces the need to inventory multiple products.

Available in 5, 55, and 275 gal units

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**SpecStrip Supreme**
SpecStrip Supreme is a highly refined chemically reactive mineral oil based, concrete release agent specially engineered to positively prevent bonding of the concrete to forms and form liners, protect forms from rust, reduce concrete buildup on formwork and liners, and leave no residue or stains. SpecStrip Supreme contains no diesel, kerosene, waxes or silicones.

Available in 5, 55, and 275 gal units

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**Precast 80**
Precast 80 is a chemically reactive, fast-drying mineral oil based, concrete release agent specially engineered to positively prevent bonding of the concrete to forms in precast and shop use applications. Precast 80 prevents rust and leaves no residue. Contains no diesel, waxes or silicones.

Available in 5, 55, and 275 gal units

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**SpecStrip 100 VOC**
SpecStrip VOC 100 is a highly refined, chemically reactive mineral oil based, concrete release agent specially engineered to positively prevent bonding of the concrete to forms and form liners while complying with the most stringent VOC regulations, including SCAQMD. When properly applied, SpecStrip VOC 100 will not leave any residue or stain on the concrete, producing a smooth, architectural concrete surface ready for subsequent coatings. SCAQMD compliant.

Available in 5, 55, and 275 gal units

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**SpecStrip Supreme**
SpecStrip Supreme is a highly refined chemically reactive mineral oil based, concrete release agent specially engineered to positively prevent bonding of the concrete to forms and form liners, protect forms from rust, reduce concrete buildup on formwork and liners, and leave no residue or stains. SpecStrip Supreme contains no diesel, kerosene, waxes or silicones.

Available in 5, 55, and 275 gal units
SpecChem manufactures a full line of professional concrete repair and restoration products, featuring cementitious concrete patching and repair mortars for horizontal, vertical and overhead needs, self-leveling underlayments, polishable overlays, and more.

Visit SpecChemllc.com for more on our cementitious repair and restoration mortars, and on how all of our products can add value to distributors, contractors, specifiers and project owners.
The strength and durability of the concrete will only be fully achieved if it is cured properly. It is very important to cure and seal concrete immediately after final finishing. The process of curing is essential in that it helps to:

- Reduce curling, scaling and crazing
- Reduce plastic shrinkage cracks
- Allow for a more uniform color
- Reduce dusting
- Achieve proper hydration of concrete for maximum strength and durability

**Deco Shine**

Deco Shine is a methacrylate cure and sealer developed specifically for exterior applications, including exposed aggregate and other decorative concrete surfaces. Deco Shine provides a clear, protective coating that brings out the radiance and luster of all natural aggregate and preserves a long lasting, durable finish.

*Available in 1, 5, or 55 gal units*
Deco Shine Matte
Deco Shine Matte is a methacrylate cure and sealer developed specifically for exterior applications, including exposed aggregate and other decorative concrete surfaces. Deco Shine Matte provides a clear, protective coating that produces a subtle, satin “matte” finish that highlights the color and texture of surfaces without excessive shine. Deco Shine Matte is ideal for stained concrete, exposed aggregate slabs, walkways, swimming pool decks, and walls.

Available in 1, 5, or 55 gal units

Crystal Shine
Crystal Shine is a lacquer sealer developed for interior and exterior applications to bring out the radiance and luster of exposed aggregate and other decorative concrete surfaces with a durable protective finish. Crystal Shine is ideal for stained concrete, exposed aggregate slabs, walkways, swimming pool decks, and walls. Crystal Shine is formulated with a unique solvent blend allowing fast-drying, solvent-based performance along with VOC compliance in the OTC/LADCO/MRPO/SCAQMD regions.

Available in 1, 5, or 55 gal units

Crystal Shine Matte
Crystal Shine Matte is a lacquer sealer developed for interior and exterior applications to bring out the radiance and luster of exposed aggregate and other decorative concrete surfaces with a durable protective coating that produces a subtle, satin “matte” finish. Crystal Shine Matte is ideal for stained concrete, exposed aggregate slabs, walkways, swimming pool decks, and walls. Crystal Shine Matte is formulated with a unique solvent blend allowing fast-drying, solvent-based performance along with VOC compliance in the OTC/LADCO/MRPO/SCAQMD regions.

Available in 1, 5, or 55 gal units

Surface Grip
Surface Grip is a finely ground, slip-resistant polymer additive designed specifically to improve the slip resistance of film forming sealers. Surface Grip can be added to all SpecChem and most other manufacturer’s water and solvent-based film-forming sealers. It is ideal for use on surfaces where water or moisture can accumulate, such as pool decks, garage floors, driveways, patios, walkways, and other smooth surfaces.

3.2 oz. or 15 oz. bottles

Aqua Shine
Aqua Shine is a water-based, methacrylate cure and sealer developed for interior and exterior applications, such as exposed aggregate, natural stone, brick, quarry tile, terrazzo, and other concrete surfaces. This non-yellowing, low odor, durable sealer enhances the appearance of all treated surfaces with a wet look, satin sheen. Aqua Shine protects sealed surfaces from the damaging effects of de-icing salts, and acts as a binder to minimize aggregate pop-out.

Available in 1, 5, or 55 gal units
Surface Shine
Surface Shine is a transparent, high-gloss, non-yellowing acrylic polymer engineered as a cure and seal specifically for exterior surfaces such as exposed aggregate, natural stone, brick, quarry tile, terrazzo, and other concrete surfaces. It is also suitable for interior applications. This non-yellowing, durable sealer enhances the appearance of all treated surfaces with a high-gloss sheen.

Available in 5 or 55 gal units

Surface Shine EX
Surface Shine EX is a VOC compliant, high-gloss, non-yellowing acrylic polymer engineered as a cure and seal specifically for exterior surfaces such as exposed aggregate, natural stone, brick, quarry tile, terrazzo, and other concrete surfaces. Surface Shine EX is formulated with a unique solvent blend allowing fast-drying, solvent-based performance along with VOC compliance in the OTC/LADCO/MRPO regions.

Available in 5 or 55 gal units

Surface Shine WB
Surface Shine WB is a high-solids, water-based, non-yellowing acrylic polymer engineered as a sealer specifically for exterior surfaces such as exposed aggregate, natural stone, brick, quarry tile, terrazzo, and other concrete surfaces. It is also suitable for interior applications. This non-yellowing, low odor, durable sealer enhances the appearance of all treated surfaces with a high-gloss sheen.

Available in 5 or 55 gal units

Surface Shine Gray
Surface Shine Gray is a VOC compliant acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. Surface Shine Gray is a light gray pigmented acrylic sealer that dries to a medium to light gray finish.

Available in 5 or 55 gal units

Surface Shine Gray EX
Surface Shine Gray EX is a VOC compliant gray pigmented acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. Surface Shine Gray EX is formulated with a unique solvent blend allowing fast-drying, solvent-based performance along with VOC compliance in the OTC/LADCO/MRPO regions.

Available in 5 gal units
Surface Shine Brown

Surface Shine Brown is a VOC compliant acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. Surface Shine Brown is a light brown pigmented acrylic sealer that dries to a medium to light brown finish and enhances and tints the cement paste of Merrimack Brown exposed aggregate surfaces.

Available in 5 or 55 gal units

Surface Shine Brown EX

Surface Shine Brown EX is a VOC compliant brown pigmented acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. Surface Shine Brown EX is a light brown pigmented sealer that enhances and tints the cement paste of Merrimack Brown exposed aggregate surfaces.

Available in 5 gal units

SpecChem R&D

With a state-of-the-art laboratory based in one of our Kansas City plants and quality control labs in every plant around the country, our research and development and quality control teams are on top of everything, from ensuring every batch of product we ship meets industry standards to exploring new and exciting products to meet your demands.

Our investment in research and development is one of our key differentiators in establishing SpecChem as a best-in-class manufacturer. On-going updates to our laboratory and quality control facilities, combined with some of the most knowledgeable and experienced minds in the industry, help ensure that we are doing more than just serving our customers – we’re fostering innovation in the industry.
Welcome to the
GOLD STANDARD
The Highest Quality Concrete Chemicals

SpecChem
Solution to Service

E-CURE

The Industry’s Gold Standard for quality and innovation in concrete curing technology.

E-Cure is the most technologically innovative product in the last 30 years of concrete curing compounds. Nothing on the market cures, hardens, dustproofs, and deals with floor adhesive problems like SpecChem’s E-Cure.

0 VOCs | ASTM C309 Type 1D Class B compliant | USDA Accepted | NSF/ANSI 61 Certified

www.specchemllc.com | 816.968.5600
Curing Compounds and Cure & Sealers
Formulated to improve hydration, durability, and offer protection.

**E-Cure**
E-Cure is a clear concrete curing compound developed using innovative technology to cure concrete as well as resolve compatibility issues related to flooring adhesives. E-Cure is a spray-applied concrete cure, hardener, and dustproofer. E-Cure penetrates and forms a temporary membrane to cure, densify, harden, and dustproof concrete, and is essential for maximum strength development. Meets the moisture retention requirements of **ASTM C309 Type 1 and 1-D, Class A** on hard-troweled concrete surfaces. May contribute to **LEED credits**.

*Available in 5 or 55 gal units*

**SC Cure 500®**
SC Cure 500® is a technologically advanced concrete curing compound formulated to cure hard-troweled concrete that is expected to be treated with a lithium silicate hardener/densifier, such as LithSeal SC. SC Cure 500® penetrates and forms a temporary membrane to cure, densify, harden and dustproof concrete, and is essential for maximum strength development. Meets the moisture retention requirements of **ASTM C309 Type 1 and 1-D, Class A** on hard-troweled concrete surfaces. May contribute to **LEED credits**.

*Available in 5 or 55 gal units*

**SpecRez**
SpecRez is a water-based dissipating resin-based emulsion curing compound for use on freshly finished horizontal and vertical concrete surfaces. SpecRez is formulated to provide an effective curing membrane that will begin to dissipate after exposure to sunlight, weathering and/or traffic. May contribute to **LEED credits. ASTM C309 Type 1 and 1-D, Class A & B compliant**.

*Available in 5 or 55 gal units*
Crystal Rez
Crystal Rez is a clear, dissipating, resin water-based emulsion curing compound for use on freshly finished horizontal and vertical concrete surfaces. Crystal Rez is formulated to provide an effective curing membrane that will dry to a clear (non-yellowing) membrane. Crystal Rez will provide a more cost effective alternative to cure & seals without the unsightly yellow/amber appearance of other dissipating resins. May contribute to LEED credits. ASTM C309 Type 1 and 1-D, Class A & B compliant.

Available in 5 or 55 gal units

Cure & Seal 25
Cure & Seal 25 is a VOC compliant, non-yellowing, acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. Cure & Seal 25 provides a tough glossy film that is resistant to abrasion and common staining materials, reduces clean-up costs, brightens floors, and improves concrete’s resistance against de-icing salts. ASTM C309 and ASTM C1315 compliant.

Available in 5 or 55 gal units

Cure & Seal 25 EX
Cure & Seal 25 EX is a VOC compliant, non-yellowing, acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. Cure & Seal 25 EX is formulated with a unique solvent blend allowing fast-drying, solvent-based performance along with VOC compliance in the OTC/LADCO/MRPO regions. ASTM C309, Type 1 and 1-D, Class A & B and ASTM C1315 compliant.

Available in 5 or 55 gal units

Industry Knowledge
WHAT IS ASTM C309?
Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete

ASTM C309 is the most common concrete curing specification in use today. It covers liquid membrane-forming compounds suitable for application to concrete surfaces to reduce the loss of water during the early-hardening period. According to ASTM.org, ASTM C309 states that the curing compound must form a membrane that has moisture retention properties equaling 0.55 Kg/M2 in 72 hours when applied at 200 square feet per gallon.

The physical appearance is described by three types, and the solids characterized by two classes:

Type 1 - clear or translucent, without dye. Class A – no restriction on vehicle solids in the curing compound.
Type 1-D – clear or translucent, with fugitive dye. Class B – vehicle solids restricted to all resin material.
Type 2 – white pigmented.

Exclusion: Sodium Silicate based curing compounds are excluded.

Drying time: The liquid membrane-forming compound shall be dry to the touch in not more than 4 hours.
Cure & Seal 25 UV
Cure & Seal 25 UV is a VOC compliant, acrylic non-yellowing polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. Cure & Seal 25 UV is formulated to provide maximum color stability in a high-gloss finish. Cure & Seal 25 UV is stable under ultra-violet light and is suitable for both exterior and interior use. ASTM C309, Type 1 and 1-D, Class A & B and ASTM C1315 compliant.

Available in 5 or 55 gal units

Cure & Seal 25 UV EX
Cure & Seal 25 UV EX is a VOC compliant, non-yellowing, acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. Cure & Seal 25 UV EX is formulated with a unique solvent blend allowing fast-drying, solvent-base performance along with VOC compliance in the OTC/LADCO/MRPO regions. ASTM C309, Type 1 and 1-D, Class A & B and ASTM C1315 compliant.

Available in 5 or 55 gal units

Cure & Seal 30
Cure & Seal 30 is a high-solids, VOC compliant, acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. Cure & Seal 30 provides a tough, glossy film that is resistant to abrasion and common staining materials, reduces clean up costs, brightens floors, and improves concrete's resistance against de-icing salts. ASTM C309, Type 1 and 1-D, Class A & B and ASTM C1315, Class A compliant.

Available in 5 or 55 gal units

Cure & Seal 30 EX
Cure & Seal 30 EX is a high-solids, VOC compliant, acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. Cure & Seal 30 EX is formulated with a unique solvent blend allowing fast-drying, solvent-base performance along with VOC compliance in the OTC/LADCO/MRPO regions. ASTM C309, Type 1 and 1-D, Class A & B and ASTM C1315, Class A compliant.

Available in 5 or 55 gal units

Cure & Seal WB
Cure & Seal WB is a water-based, non-yellowing, VOC compliant acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. May contribute to LEED credits. ASTM C309, Type 1 and 1-D, Class A & B and ASTM C1315 compliant.

Available in 5 or 55 gal units
Cure & Seal WB 25
Cure & Seal WB 25 is a high-solids, water-based, non-yellowing, VOC compliant, acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. Cure & Seal WB 25 provides a tough, glossy film that is resistant to abrasion and common staining material, prevents the adhesion of cementitious droppings, and brightens floors. ASTM C309, Type 1 and 1-D, Class A & B and ASTM C1315 compliant.

Available in 5 or 55 gal units

Cure & Seal WB 30
Cure & Seal WB 30 is a high-solids water-based, VOC compliant acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. Cure & Seal WB 30 provides a tough glossy film that is resistant to abrasion and common staining material, prevents the adhesion of cementitious droppings, and brightens floors. ASTM C309, Type 1 and 1-D, Class A & B and ASTM C1315 compliant.

Available in 5 or 55 gal units

Cure Shield
Cure Shield is a unique solvent-based blend of silane and pure, non-yellowing, acrylic copolymers designed to cure, seal, harden, and dustproof fresh concrete and provide additional protection to existing concrete. In addition to forming an effective film-forming curing and sealing compound, it also contains silane. Silane penetrates the fresh concrete and provides protection against spalling and deterioration of concrete structures caused by de-icing salts. ASTM C309, Type 1 and 1D, Class A & B and ASTM C1315 compliant.

Available in 5 or 55 gal units

WHAT IS ASTM C1315?
ASTM C1315 replaces TTC-0800 as the curing and sealing specification for the industry.

This specification covers the performance requirements for membrane-forming liquids suitable for use as curing compounds and sealers for fresh and hardened concrete. Each membrane should have good alkali resistance, acid resistance, adhesion-promoting qualities, and resistance to degradation by UV light. The materials are limited to clear or translucent and white pigmented materials, all of which are classified into non-yellowing, moderately yellowing, or yellows or darkens unrestrainedly.

- Type 1 - clear or translucent.
- Type 2 – white pigmented.

Class A – non-yellowing, Gardner Color Standard No. 1
Class B – Moderate yellowing, Gardner Color Standard No. 3
Class C - Severe darkening and yellowing.

Minimum Solids Content: Type 1 and 2 are both a minimum of 25%
Cure Shield EX

Cure Shield EX is a unique solvent-based blend of silane and pure, non-yellowing, acrylic copolymers designed to cure, seal, harden, and dustproof fresh concrete and provide additional protection to existing concrete. In addition to creating an effective film-forming curing and sealing compound, it also contains silane. Silane penetrates the fresh concrete and provides protection against spalling and deterioration of concrete structures caused by de-icing salts. ASTM C309, Type 1 and 1-D, Class A & B and ASTM C1315 compliant.

Available in 5 or 55 gal units

Amazon Warehouse

Cure & Seal 30 EX, Cure & Seal WB 30

Prologis Etna is a state-of-the-art, master-planned business park project anchored by a 1.5 million sq. ft. Amazon fulfillment center strategically located in Columbus, Ohio. We worked closely with the general contractor, Clayco, the concrete contractor, Unlimited Concrete Solutions, and Amazon to find the best possible product solution for curing and sealing the interior base and elevated slabs in less than optimal weather and conditions.

Unlimited Concrete used 50 drums of Cure & Seal 30 EX on the interior base slabs. By using a solvent-based cure and seal, Unlimited Concrete was able to pour and seal in colder-than-normal winter conditions. Over 60 drums of Cure & Seal 30 WB were used on the elevated slabs the following spring.
Paving Curing Compounds
Curing Compounds for highways, airports, parking lots, and more.

**SpecCity White**
SpecCity White is a white pigmented concrete curing compound. When properly applied, SpecCity White forms a continuous membrane that controls curing for strong and durable concrete. The white pigment reflects the sun’s rays to help keep the concrete surface cooler and to prevent excessive heat buildup. SpecCity White is ideal for application on exterior horizontal surfaces such as street and curb paving applications when proper curing is required. ASTM C309, Type 2, Class A compliant.

Available in 5 or 55 gal units

**Pave Cure AMS**
Pave Cure AMS is a high-solids white pigmented polyalpha-methylstyrene (AMS) concrete curing compound. When properly applied, Pave Cure AMS forms a continuous membrane that controls curing for strong and durable concrete. The white pigment reflects the sun’s rays to help keep the concrete surface cooler and to prevent excessive heat buildup. Pave Cure AMS provides maximum retention for the most stringent concrete curing specifications. ASTM C309, Type 2, Class A & B compliant. DOT Approved.

Available in 5, 55, or 275 gal units

**Pave Cure WW**
PaveCure WW is a high-solids, wax and water-based white pigmented concrete curing compound. When properly applied, PaveCure WW forms a continuous membrane that controls curing for strong and durable concrete. The white pigment reflects the sun’s rays to help keep the concrete surface cooler and to prevent excessive heat buildup. Pave Cure WW is ideal for application on exterior horizontal surfaces such as highways, airports, street, and curb paving applications where proper curing is required. ASTM C309, Type 2, Class A compliant. DOT Approved.

Available in 5 or 55 gal units
Pave Cure WW-300

Pave Cure WW-300 is a high-solids wax and water-based white pigmented concrete curing compound. Pave Cure WW-300 forms a continuous membrane that controls curing for strong and durable concrete. The white pigment reflects the sun’s rays to help keep the concrete surface cooler and to prevent excessive heat buildup. ASTM C309, Type 2, Class A, and CRD C300 compliant.

Available in 5 or 55 gal units

PROJECT HIGHLIGHT

JFK Airport

PaveCure Rez White, SpecStrip, SpecFilm

To ease traffic congestion and accommodate today’s larger aircraft at one of the nation’s busiest airports, the Port Authority of New York and New Jersey elected to reconstruct their largest runway, the 14,572 ft. 13R-31L, one of the longest commercial runways in the world. We were called on to provide an eco-friendly, VOC compliant curing solution that met the stringent specifications of NYDOT, ASTM, and the FAA. Nearly 90,000 gallons of Pave Cure Rez White was spray applied during the four months of construction.

Additionally, SpecFilm, an evaporation retardant, was used to protect the freshly placed concrete from accelerated surface water loss, and SpecStrip, a VOC compliant form release agent was utilized to provide clean, efficient form separation.
Pave Cure Rez White

Pave Cure Rez White is a high-solids water-based, resin-based white pigmented concrete curing compound. When properly applied, Pave Cure Rez White forms a continuous membrane that controls curing for strong and durable concrete. The white pigment reflects the sun’s rays to help keep the concrete surface cooler and to prevent excessive heat buildup. ASTM C309, Type 2, Class A & B compliant.

Available in 5 or 55 gal units

Pave Cure Rez

Pave Cure Rez is a high-solids dissipating resin-based concrete curing compound. When properly applied, Pave Cure Rez forms a continuous membrane that controls curing for strong and durable concrete. Pave Cure Rez is ideal for application on exterior, horizontal surfaces such as highways, airports, street, and curb paving applications where proper curing and membrane dissipation is required. ASTM C309, Type 1 and 1-D, Class A & B compliant.

Available in 5 or 55 gal units

Pave Cure CW

Pave Cure CW is a high-solids water-based clear wax concrete curing compound. When properly applied, Pave Cure CW forms a continuous membrane that controls curing for strong and durable concrete. Pave Cure CW is available in both clear and clear with dye. ASTM C309, Type 1 and 1-D, Class A compliant.

Available in 5, 55, or 275 gal units

CONNECT WITH US

Facebook.com/specchemllc
Instagram.com/specchem
Liquid Hardeners
Products for densifying, hardening and protecting your concrete surfaces.

**Cure Hard**

Cure Hard is a spray-applied concrete cure, hardener, and dustproofer. Cure Hard deeply penetrates concrete surfaces to densify, seal, harden, and dustproof concrete and Portland cement-based material surfaces to help them achieve maximum abrasion resistance without altering the natural appearance of the concrete.

Available in 5 or 55 gal units

**SpecHard**

SpecHard is a proprietary, colorless silicate solution that increases the wear surface strength of concrete floors subjected to pedestrian and vehicle traffic. SpecHard penetrates concrete surfaces to seal, densify, and harden. SpecHard floors last longer, cost less to maintain, are safe to use, and are guaranteed to resist dusting for years after application.

Available in 5 or 55 gal units

**LithSeal SC**

LithSeal SC is a premium lithium silicate sealer/densifier for concrete surfaces. LithSeal SC deeply penetrates and reacts with cured concrete. This reaction produces a calcium silicate hydrate within the concrete pores. Treated surfaces will remain breathable, reduce porosity, reduce dusting, reduce water permeability, and increase abrasion resistance. When properly applied, LithSeal SC will not leave the whitish blush characteristic of other sodium silicate products.

Available in 5 or 55 gal units
LithSeal Lite
LithSeal Lite is an economical lithium silicate sealer/densifier for concrete surfaces. LithSeal Lite deeply penetrates and reacts with cured concrete. This reaction produces a calcium silicate hydrate within the concrete pores. Treated surfaces will remain breathable, reduce porosity, reduce dusting, reduce water permeability, and increase abrasion resistance. When properly applied, LithSeal Lite will not leave the whitish blush characteristic of other sodium silicate products.
Available in 5 or 55 gal units

SpecGuard
SpecGuard is a multi-component, water-based polymeric protectant that improves the appearance and durability of concrete floors. SpecGuard incorporates a cross-linking nano-technology which aids penetration and adhesion, creating a tough, stain-resistant coating. SpecGuard also contains UV absorbers that enable it to protect colored or dyed concrete against UV degradation.
Available in 1, 5, or 55 gal units

Spec-O-Lith
Spec-O-Lith is a water-based solution of fluorosilicate, formulated to harden and dustproof concrete floors and improve the wearing characteristics of new or aged concrete and terrazzo. It provides a chemically hardened surface with increased resistance to water, chemicals (acids, alkalis, etc.), grease, and oil absorption. Spec-O-Lith is especially effective in strengthening weak, soft, or dusting concrete surfaces.
Available in 5 or 55 gal units

PROJECT HIGHLIGHT

Amazon Warehouse Project: Perryville, MD
From our ASTM C309 compliant water-based Cure & Seal WB for the exterior paving to our reactive SpecTilt WB bond breaker... and everything in between. This 1.14 million square foot Perryville, MD Amazon warehouse project by PA contractor Conewago Enterprises featured the following lineup of concrete construction chemical products from SpecChem - LithSeal Lite, Cure & Seal WB, Orange Peel, SpecRez, and SpecTilt WB.
Simple Steps to the
PERFECT POLISH

1 Prime
SpecPoxy 1000
A two-component, low-viscosity, moisture
insensitive, high modulus, structural epoxy bonding
adhesive and crack injection resin. SpecPoxy 1000 is
100% solids, solvent-free, low odor and high-strength.

2 Level
SpecLevel PCT
A cement-based, self-leveling polishable concrete
topping designed for interior and exterior use. SpecLevel PCT produces a dense hard surface that
can be diamond polished in as little as 24 hours.

3 Densify
Lithseal or SpecHard
A premium lithium-silicate sealer/densifier for
concrete surfaces that deeply penetrates and reacts
with cured concrete. Treated surfaces will remain
breathable, reduce porosity, reduce dusting, reduce
water permeability, and increase abrasion resistance.

4 Polish
SpecGuard
SpecGuard is a multi-component, water-based polymeric protectant that improves the
appearance and durability of concrete floors. SpecGuard incorporates a cross-linking nano-
technology, which aids penetration and adhesion
creating a tough, stain-resistant coating.

*FOR EXISTING CONCRETE:
Clean & Strip using - Orange Peel
Then follow above steps 3-4

Strip
Orange Peel
An innovative solution for the toughest industrial
applications. Effectively remove grease, grime and
other contaminants from architectural concrete and
other surfaces. VOC compliant with a pleasant
citrus odor.
SpecChem tilt-up bond breakers are chemically reactive and specially engineered to provide a clean, easy lift of tilt-up panels. They contain no diesel, kerosene, waxes, or silicones.

SpecTilt 100
SpecTilt 100 is a chemically reactive, solvent-based tilt-up bond breaker specially engineered to provide a clean, easy lift of tilt-up panels. SpecTilt 100 contains no diesel, kerosene, waxes, or silicones. SpecTilt 100 allows clean panels to lift easier, leaves no resin stains, is chemically reactive, and leaves no residue.

Available in 5 or 55 gal units

SpecTilt WB
SpecTilt WB is a chemically reactive, water-based tilt-up cure/bond breaker specially engineered to provide a clean, easy lift of tilt-up panels, and meet the moisture retention of ASTM C309. SpecTilt WB contains no diesel, kerosene, waxes, or silicones.

Available in 5 or 55 gal units
SpecTilt EX
SpecTilt EX is a chemically reactive tilt-up bond breaker specially engineered to provide a clean, easy lift of tilt-up panels. SpecTilt EX is formulated with a unique solvent blend for fast-drying, solvent-based performance along with VOC compliance in the OTC/LADCO/MRPO regions. 

Available in 5 or 55 gal units

CleanLift 20/20
CleanLift 20/20 is a chemically reactive water-based tilt-up cure/bond breaker specially engineered to provide a clean, easy lift of tilt-up panels and meet the moisture retention of ASTM C309. CleanLift 20/20 contains no diesel, kerosene, waxes or silicones, and is formulated to be more identifiable on the casting bed. 

Available in 5 or 55 gal units

Amazon Warehouse Project: Salem, OR
Another Amazon warehouse project, another million-plus square feet, this time in Salem, Oregon. This project featured our VOC compliant, solvent-based SpecTilt EX chemically reactive bond breaker, along with our best-selling E-Cure, a water-based concrete curing compound, and finally our SC Multi-Purpose Grout, one of our flagship cementitious powders.
SpecFilm is designed to be used as an evaporation retardant and finishing aid on concrete flatwork of all types. When sprayed over fresh concrete, SpecFilm forms a thin, continuous film which prevents rapid moisture loss from the concrete surface.

SpecTilt WB is chemically reactive tilt-up cure and bond breaker specially engineered to provide a clean, easy lift of tilt-up panels.

Orange Peel concentrate is a cost effective, natural citrus solvent, cleaner and degreaser. Orange Peel is an innovative cleaning solution for the toughest industrial applications.

SpecHard is a proprietary, colorless chemical solution that increases the wear surface strength of concrete floors subjected to pedestrian and vehicle traffic. SpecHard penetrates concrete surfaces to seal, densify and harden.

Our control joint fillers are both engineered to offer strength and protection for your control and construction joints in industrial concrete floors. Both are two-component products, coming in a semi-rigid epoxy or a rapid-curing, fast-setting polyurea.
Evaporation Retarders
Designed to reduce moisture loss and prevent shrinkage and cracking.

**SpecFilm**
SpecFilm is designed to be used as an evaporation retardant and finishing aid on concrete flatwork of all types. When sprayed over fresh concrete, SpecFilm forms a thin, continuous film which prevents rapid moisture loss from the concrete surface. SpecFilm is especially effective when concreting operations must be performed in direct sun, wind, high temperatures, or low relative humidity.

Available in 1, 5, or 55 gal units

**SpecFilm Concentrate**
SpecFilm Concentrate is an economical concentrate that can be diluted with potable water up to a 9-to-1 ratio, providing a very effective evaporation retardant and finishing aid for concrete flatwork. Once diluted and sprayed over fresh concrete, SpecFilm forms a thin, continuous film which prevents rapid moisture loss from the concrete surface.

Available in 1, 5, or 55 gal units

WHAT IS ACI 302?
ACI 302.1R-15 is the American Concrete Institute's committee specification for producing high-quality concrete slabs-on-ground and suspended floors for various classes of service. It emphasizes such aspects of construction as site preparation, concrete materials, concrete mixture proportions, concrete workmanship, joint construction, load transfer across joints, form stripping procedures, finishing methods, and curing.
Surface Retarders
Designed to expose an aggregate finish from fresh concrete.

SpecEtch
SpecEtch is a spray-applied, chemical surface retarder specially engineered to expose the underlying aggregate of freshly placed horizontal concrete. SpecEtch comes ready-to-use, is non-flammable, and will not alter the color of the aggregate or concrete. SpecEtch has a typical etch of 3/8”.

Available in 5 or 55 gal units

SpecEtch Deep
SpecEtch Deep is a spray-applied, chemical surface retarder specially engineered to expose the underlying aggregate of freshly placed horizontal concrete. SpecEtch Deep comes ready-to-use, and is easy to apply. SpecEtch Deep is non-flammable, VOC compliant, and has a typical etch of 5/8”.

Available in 5 or 55 gal units

SAFE AND EFFECTIVE

Depending on the depth of your etch, SpecEtch and SpecEtch Deep are both environmentally friendly, VOC compliant products specially engineered to expose the underlying aggregate of freshly placed horizontal concrete. Both of our SpecEtch products are ideal, green-conscious, and low VOC options for exposing the true beauty that exposed aggregate brings to walkways, pool decks, patios, and more.
Orange Peel concentrate is a cost effective, natural citrus solvent, cleaner and degreaser. Orange Peel will effectively remove grease, grime, and other contaminants from architectural concrete. Orange Peel will also remove acrylic and resin concrete curing compounds from concrete surfaces. Complies with all national VOC regulations, including SCAQMD/OTC/CA/VA.

Available in 1, 5, or 55 gal units

Berry Clean

Berry Clean is a cost effective, natural raspberry scented, cleaner/degreaser concentrate. Berry Clean will effectively remove grease, grime, many types of carpet/tile cutback adhesives, and other contaminants from architectural concrete and other surfaces. Berry Clean will also remove acrylic and resin concrete curing compounds from concrete surfaces. Berry Clean will also remove acrylic and resin concrete curing compounds from concrete surfaces. Complies with all national VOC regulations, including SCAQMD/OTC/CA/VA.

Available in 1, 5, or 55 gal units

K-Set

K-Set is a non-corrosive, non-chloride accelerating admixture. K-Set accelerates the hydration of cement, resulting in shorter set times and high early strength. K-Set provides improved workability, helps prevent segregation, and is a substantial aid in early stiffening for mortar and stucco mixes. K-Set is an aqueous solution of organic and inorganic compounds that produces rapid heat development within the mortar, protecting it from freezing during its early life at low temperatures.

Available in 1, 5, or 55 gal units
Sealer ReNew
Sealer ReNew is a specially blended high-strength solvent formulated to brighten and rejuvenate existing decorative acrylic sealers. Sealer ReNew can also be used to clean or strip deteriorated sealer and to release moisture blush (whitening) trapped beneath the sealer.

Available in 1, 5, or 55 gal units

Solvent 100
Solvent 100 is a clear, colorless, non-flammable, high-strength solvent formulated specifically as a thinner and clean up material for resin-based compounds.

Available in 1, 5, or 55 gal units

SpecBlast
SpecBlast is a chemically reactive liquid formulated to soften and remove concrete buildup from concrete tools and equipment. SpecBlast is designed to help avoid the damaging effects of sandblasting, bushhammering, and jackhammering hardened concrete from equipment.

Available in 1, 5, or 55 gal units

Xylene
Xylene is a clear, colorless, flammable, high-strength solvent formulated specifically as a thinner and clean up material for resin-based compounds. Xylene has a greater solvency strength (KB Value) than SpecChem Solvent 100 or mineral spirits.

Available in 1, 5, or 55 gal units

SAFE AND EFFECTIVE

Looking for a high-quality cleaner and degreaser that meets the stringent VOC guidelines for SCAQMD/OTC/CA/VA?

With a VOC content of less than 25 grams per liter, Berry Clean is perfect for removing adhesives and other tough contaminants from your concrete surfaces, while remaining safe and effective, even in the most regulated areas.
Water Repellents
100% reactive penetrating water repellents.

**SpecShield WB**
SpecShield WB is a 100% reactive, waterborne silane-siloxane sealer. This clear, penetrating, breathable water repellent is designed for use on interior and exterior above grade concrete or masonry surfaces. SpecShield WB penetrates the surface and bonds directly with the substrate, which results in a surface that is highly-resistant to both moisture and salt.

Available in 5 or 55 gal units

**SpecSilane 20 WB**
SpecSilane 20 WB is a 20% solids, 100% reactive, waterborne silane sealer. This clear, penetrating, breathable water repellent is designed for use on interior and exterior above grade concrete or masonry surfaces. SpecSilane 20 WB penetrates the surface and bonds directly with the substrate, which results in a surface that is highly-resistant to both moisture and salt.

Available in 5 or 55 gal units

**SpecSilane 40**
SpecSilane 40 is a 40% solids, 100% reactive, silane sealer. This clear, penetrating, breathable water repellent is designed for use on interior and exterior above grade concrete or masonry surfaces. SpecSilane 40 penetrates the surface and bonds directly with the substrate, which results in a surface that is highly-resistant to both moisture and salt.

Available in 5 or 55 gal units

**SpecSilane 40 WB**
SpecSilane 40 WB is a 40% solids, 100% reactive, waterborne silane sealer. This clear, penetrating, breathable water repellent is designed for use on interior and exterior above grade concrete or masonry surfaces. SpecSilane 40 WB penetrates the surface and bonds directly with the substrate, which results in a surface that is highly-resistant to both moisture and salt.

Available in 5 or 55 gal units
SpecSilane 100

SpecSilane 100 is a 100% solids, 100% reactive, silane sealer. This clear, penetrating, breathable water repellent is designed for use on interior and exterior above grade concrete or masonry surfaces. SpecSilane 100 penetrates the surface and bonds directly with the substrate, which results in a surface that is highly-resistant to moisture, staining and de-icing salts. Available in 5 or 55 gal units.

All Shield WB

All Shield WB is a low VOC, waterborne, synthetic modified, silane-siloxane concrete protectant. This clear, penetrating, breathable protectant is designed for use on interior and exterior concrete, natural or synthetic stone surfaces to resist water, oil, food stains, and many other liquid contaminants. All Shield WB penetrates the surface and bonds directly with the substrate, which results in a surface that is highly-resistant to moisture, staining and de-icing salts. VOC compliant in the OTC/LADCO/MRPO regions. Available in 1, 5 or 55 gal units.

Industry Best-In-Class Training

If you’ve ever been to one of our SpecMasters sessions, you already know that we provide exceptional value to the industry in the form of our best-in-class training programs. We host annual 2-3 day programs in our 7,600-sq. foot training facility, where distributors from all over the country and internationally come and enjoy interactive, hands-on product, application and industry information in an exciting and engaging environment.

We also host numerous ad-hoc product and application demos year-round for distributors, contractors, and trade associations in this facility, as well as product demos, job site visits, and lunch & learns all over the country, designed to educate distributors, contractors, and the specification community.

You think SpecChem training is a fit for you and your organization? Contact your SpecChem sales representative, or drop us a note online at SpecChemllc.com to see how we can help empower your organization.
Specialty Epoxies & Polyurea Products

Premium epoxies for commercial and industrial applications.

SpecPoxy 500
SpecPoxy 500 is a two-component, very low viscosity, moisture insensitive, high modulus, structural epoxy bonding adhesive and crack injection resin. SpecPoxy 500 is 100% solids, solvent free, low odor, and high-strength. ASTM C881, Type I, II, IV, and V, Grade 1, Classes B & C compliant.

Available in 15 oz. dual cartridges as well as 1, 3 or 15 gal units

SpecPoxy 1000
SpecPoxy 1000 is a two-component, low viscosity, moisture insensitive, high modulus, structural epoxy bonding adhesive and crack injection resin. SpecPoxy 1000 is 100% solids, solvent free, low odor, and high-strength. ASTM C881, Type I, II, IV, and V, Grade 1, Classes B & C compliant.

Available in 15 oz. dual cartridges as well as 1, 3 or 15 gal units

SpecPoxy 2000
SpecPoxy 2000 is a two-component, multi-purpose, high modulus, moisture tolerant epoxy bonding adhesive that meets the requirements of ASTM C881. SpecPoxy 2000 is a 100% solids, solvent free, medium viscosity bonder. ASTM C881, Type I, II, IV, and V, Grade 2, Classes B & C compliant.

Available in 22 oz. dual cartridges as well as 1, 2 or 10 gal units
<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>ASTM C-881</th>
<th>Use Category</th>
<th>Features</th>
<th>Gel Time*</th>
<th>Recommended Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECPOXY 500</td>
<td>Grade 1</td>
<td>Bonding agent, injection resin</td>
<td>Ultra-Low Viscosity High Modulus</td>
<td>25 min. in mass 1 hr in thin film</td>
<td>A two component, very low viscosity, moisture insensitive, high modulus, structural epoxy for bonding concrete, steel and wood. Gravity feed or pressure injection crack repairs. Anchoring bolts, dowels and reinforcing bar.</td>
</tr>
<tr>
<td>SPECPOXY 1000</td>
<td>Grade 1</td>
<td>Bonding agent, injection resin</td>
<td>Low Viscosity High Modulus</td>
<td>30 min. in mass 1 hr in thin film</td>
<td>Structural fine crack injection repair for: .007 - .020in/ .18 -.51 mm Binder for grout and mortar. Structural bonding of fresh to hardened &amp; old to old concrete</td>
</tr>
<tr>
<td>SPECPOXY 2000</td>
<td>Grade 2</td>
<td>Bonding agent, injection resin</td>
<td>Medium Viscosity High Modulus</td>
<td>30 min. in mass 1 hr in thin film</td>
<td>Structural bonding of fresh to hardened &amp; old to old concrete, Structural crack repair for: .007 - .030in/ .18-.76mm. Structural adhesive for concrete, metal, wood, etc</td>
</tr>
<tr>
<td>SPECPOXY 3000</td>
<td>Grade 3</td>
<td>Bonding agent, injection resin</td>
<td>High viscosity, non-sag, easy to mix</td>
<td>30 min. in mass 1 hr in thin film</td>
<td>Chemical anchoring, cap seal &amp; port setting epoxy. Structural crack repair for: .030-060in/76-15 mm. Blind injection where backside cap sealing is not practical, Structural grouting, anchoring, pinning overhead patching, mating irregular surfaces</td>
</tr>
<tr>
<td>SPECPOXY 3000 FS</td>
<td>Grade 3</td>
<td>Bonding agent, injection resin</td>
<td>Fast setting, high viscosity, non-sag gel, easy to mix</td>
<td>5-10 min in mass 1 hr thin film</td>
<td>Chemical anchoring, cap seal &amp; port setting epoxy. Structural crack repair for: .030-060in/76-15 mm. Blind injection where backside cap sealing is not practical, Structural grouting, anchoring, pinning overhead patching, bonding irregular surfaces</td>
</tr>
<tr>
<td>SPECPOXY BINDER</td>
<td>Grade 1</td>
<td>Low modulus moisture tolerant epoxy binder/ adhesive</td>
<td>Low modulus epoxy binder adhesive</td>
<td>45 Min. in mass</td>
<td>A skid resistant epoxy binder adhesive for overlays that can be easily blended with aggregates for mortar repairs.</td>
</tr>
<tr>
<td>SPECPOXY CJ</td>
<td>NA</td>
<td>Semi-rigid control joint filler</td>
<td>Semi-rigid shaves easily, fast, pourable</td>
<td>30 Min. in mass</td>
<td>Filling and sealing saw-cut control joints Not for expansion joints</td>
</tr>
<tr>
<td>SPECPOXY GROUT</td>
<td>NA</td>
<td>Epoxy machine grout and general purpose grout</td>
<td>High strength, good oil and chemical resistance</td>
<td>3.5 hr in mass</td>
<td>Precision alignment of compressors and machinery. Grouting under sole plates. Crane rail grouting. Applications subjected to dynamic loads.</td>
</tr>
<tr>
<td>SPECPOXY SEALER</td>
<td>NA</td>
<td>Penetrating Epoxy Sealer</td>
<td>70% solids, two component, low viscosity sealer</td>
<td>Pot life 35 min.&lt;4 hrs this film</td>
<td>Bridge decks/parking decks, auto/truck repair bays, concrete crack healer and dustproofer, concrete subjected to chemical mild attack, manufacturing plants, floor restoration</td>
</tr>
<tr>
<td>SPECPOXY COATING</td>
<td>NA</td>
<td>High-build epoxy coating</td>
<td>100% solids two component, high performance floor coating system</td>
<td>Pot life 40-50 min. Foot traffic in 24 hours, Wheel traffic in 48 hours</td>
<td>Food processing plants, auto/truck repair bays, warehouse floors, chimical plants, manufacturing plants, floor restoration projects</td>
</tr>
<tr>
<td>SPECPREP SB</td>
<td>NA</td>
<td>Long open time, cement/epoxy bonding adhesive and rebar coating</td>
<td>Bonds fresh concrete, bonds steel to concrete, VOC compliant/ Solvent free</td>
<td>1 hour</td>
<td>Used for bonding fresh concrete to hardened concrete, bonding steel to fresh concrete, anti-corrosion coating for steel reinforcement, and is easy to apply by spray or brush.</td>
</tr>
</tbody>
</table>
SpecPoxy 2000 LPL

SpecPoxy 2000 LPL is a two-component, long pot life, multi-purpose, high modulus, moisture tolerant epoxy bonding adhesive that meets the requirements of ASTM C881 and is an ideal product for bonded overlays. ASTM C881, Type I, II, IV, and V, Grade 2, Classes B & C compliant.

Available in 1, 3 or 15 gal units

Poly Fix®

Poly Fix® is a high-strength, two-component, ultra-low viscosity hybrid polyurethane concrete repair binder. Poly Fix® can be used to penetrate hairline cracks or, mixed with dry sand, to patch and repair concrete spalls or control joints. Poly Fix®’s water-like consistency also makes it an excellent crack healer/sealer for deteriorated concrete surfaces. USDA accepted.

Available in 22 oz. dual cartridges as well as 2 and 10 gal units

Port 95 Industrial Park: Baltimore, MD

Rapid Flex CJ, SpecTilt WB, LithSeal Lite

Over a 1,000 gallons of Rapid Flex CJ – our UV-resistant, semi-rigid, rapid-curing, polyurea joint control filler – was used on the Port 95 Industrial Park project in Baltimore, MD. A feature project highlighting our ACI 302 compliant polyurea product, the contractor was impressed with the viscosity, and an easier flow through when pumping versus competitive products.

Additionally, the dark gray color of the product was preferable to the greenish tint that is often found with competitive products, along with it being easy to shave, and quickly for a fast turnaround. In addition to being a highlight project for our Rapid Flex CJ, this project also featured our flagship bond breaker, our SpecTilt WB and our LithSeal Lite densifier.
**SpecPoxy CJ**
SpecPoxy CJ is a two-component, semi-rigid epoxy for filling control and construction joints in industrial concrete floors. This product supports the joint edges and reduces spalling of the edges caused by wheel traffic. SpecPoxy CJ is useful for contraction/construction joints that are cut or formed. SpecPoxy CJ may be used for the repair of damaged or spalled joint nosing and cracks. ACI 302, section 4.10 compliant.

Available in 2 or 10 gal units

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**SpecPoxy 3000**
SpecPoxy 3000 is a two-component, moisture insensitive, high modulus, structural epoxy bonding gel. SpecPoxy 3000 is 100% solids, solvent-free, low odor, high-strength, and non-sag. SpecPoxy 3000 is great for vertical and structural bonding and patching, sealing of cracks and the setting of injection ports, and anchoring bolts, dowels, and reinforcing steel. ASTM C881, Type I, II, IV, and V, Grade 3, Classes B & C compliant.

Available in 22 oz. dual cartridges as well as 1, 2 or 10 gal units

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**SpecPoxy 3000 FS**
SpecPoxy 3000 FS is a fast-setting, two-component, moisture insensitive, high modulus, structural epoxy bonding gel. SpecPoxy 3000 FS is 100% solids, solvent free, low odor, high-strength, and non-sag. ASTM C881, Type I, II, IV, and V, Grade 3, Classes B & C compliant.

Available in 22 oz. dual cartridges as well as 1, 2 or 10 gal units

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**Rapid Flex CJ**
Rapid Flex CJ is a 100% solids, two-component, fast-setting UV-resistant, semi-rigid, rapid-curing, polyurea for filling control and construction joints in industrial concrete floors. Rapid Flex CJ allows for joints to be shaved quickly for fast turnaround. Rapid Flex CJ can also be used for the repair of damaged or spalled joint nosing and cracks. ACI 302, section 4.10 compliant.

Available in 22 oz. dual cartridges as well as 10 gal units

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**SpecPoxy 3000**
SpecPoxy 3000 is a two-component, moisture insensitive, high modulus, structural epoxy bonding gel. SpecPoxy 3000 is 100% solids, solvent-free, low odor, high-strength, and non-sag. SpecPoxy 3000 is great for vertical and structural bonding and patching, sealing of cracks and the setting of injection ports, and anchoring bolts, dowels, and reinforcing steel. ASTM C881, Type I, II, IV, and V, Grade 3, Classes B & C compliant.

Available in 22 oz. dual cartridges as well as 1, 2 or 10 gal units

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**Spec CJ Guard**
A water-based blend of film-forming polymers that prevents staining of concrete due to overfill of epoxy or polyurea joint fillers. When applied to concrete adjacent to floor joints prior to filling, Spec CJ Guard dries to form a clear, glossy film that seals and protects the surface.

Available in Available in 1, 5, or 55 gal units
Specialty Epoxies & Polyurea Products

SpecPoxy Binder
SpecPoxy Binder is a two-component, multi-purpose, low modulus, moisture tolerant epoxy binder adhesive that meets the requirements of ASTM C881. This solvent-free, low viscosity bonder is shock absorbent and more flexible to sustain movement resulting from thermal changes. ASTM C881, Type III, Grade 1, Classes B & C compliant.

Available in 1, 2, or 10 gal units

MVM Prime 5000
MVM Prime 5000 is a two-component, 100% solids epoxy moisture barrier system designed to effectively stop moisture vapor related problems on concrete prior to installing SpecChem underlayments or overlays. MVM PRIME 5000 also provides an excellent bond to concrete and can be applied to concrete as early as five days old where early application of floor covering is required.

Available in 3 or 15 gal units

Propoxy Coating
Propoxy Coating is a two-component, high-performance epoxy coating system designed to provide concrete and steel surfaces with excellent abrasion resistance in combination with protection against chemical attack. These outstanding properties are further enhanced by the availability of a selection of semi-gloss colors or clear for superior aesthetic benefits.

Available in 3 or 15 gal units

WHAT IS ASTM C881?
This specification covers two-component, epoxy-resin bonding systems for application to Portland cement concrete, which are able to cure under humid conditions and bond to damp surfaces.

Type 1 - Non-load bearing, bonding hardened concrete to hardened concrete.
Type 2 - Non-load bearing, bonding fresh concrete to hardened concrete.
Type 3 - Bonding skid-resistant materials to traffic bearing surfaces.
Type 4 - Loading bearing, bonding hardened concrete to hardened concrete.
Type 5 - Loading bearing, bonding fresh concrete to hardened concrete.

Grade 1 - Low viscosity (water-motor oil)
Grade 2 - Medium viscosity (syrup-honey)
Grade 3 - Gel (peanut butter-caulk)

Class A - Application temperature <40°F
Class B - Application temperature 40-60°F
Class C - Application temperature >60°F
**SpecPoxy Mortar**
SpecPoxy Mortar is a three-component, 100% solids, multi-purpose, epoxy mortar. The system combines a high-quality epoxy binder with an engineered blend of graded aggregates. Specifically engineered to provide superior trowelability, compressive/tensile strength, impact, and chemical resistance for use in industrial and commercial applications such as warehouse floors, ramps, loading docks, and rebuilding joint nosings.

Available in .5 or 1 cubic foot units

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**SpecPoxy Sealer**
SpecPoxy Sealer is a high-solids, two-component low viscosity penetrating epoxy sealer designed to protect new and existing concrete against de-icing salts and chemical attack. SpecPoxy Sealer penetrates into the concrete pores to form a sub-surface seal to resist the penetration of liquids contaminants, chloride ions, and chemical penetration. Its low viscosity also provides an excellent crack healer/sealer to many deteriorated concrete surfaces.

Available in 2, 10, or 110 gal units

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**SpecPoxy Grout**
SpecPoxy Grout is a specially formulated three-component, 100% solids, high-strength, low exotherm epoxy grout. The system combines a high-strength epoxy resin and curing agent with a specially engineered blend of graded aggregates. The special aggregate blend provides excellent flow and uniform distribution throughout the high-strength epoxy matrix.

Available in .5 or 2 cubic foot units

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**PROJECT HIGHLIGHT**

**Pickwick Parking Shotcrete Application, Kansas City, MO**

**SpecShot Plus**
Our single-component, fiber-reinforced, microsilica shotcrete found immediate success in a major parking structure restoration project – the Pickwick Building – a high-end condo project with street level retail, located in Downtown, Kansas City. SpecChem worked with the American Shotcrete Association and local KC area contractor Mo/Kan Concrete’s certified shotcrete applicator on the 18,000-bag project – that’s 20 full truckloads of shotcrete. SpecShot Plus is a high-performance shotcrete repair product formulated for extremely low rebound, reducing waste, and minimizing material cost, making it the ideal choice for concrete restoration where a shotcrete application is preferred.
**Cementitious Grout**
Providing strength and durability in a variety of specialty applications.

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**SC Multi-Purpose Grout**
SC Multi-Purpose Grout is a non-shrink, non-metallic multi-purpose cement-based grout. SC Multi-Purpose Grout is formulated for a wide variety of grouting applications, from damp pack to flowable through a controlled, positive expansion. **ASTM C1107, Grade A, B & C and CRD C-621 Grade A, B & C** compliant.

Available in 50 lb. bags

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**SC Precision Grout**
SC Precision Grout is a non-shrink, non-metallic, high-flow, cement-based grout. SC Precision Grout is formulated for a wide variety of grouting applications, from plastic to fluid through a controlled, positive expansion. Designed to provide effective load bearing for high-flow precision grouting applications. **ASTM C1107, Grade A, B & C and CRD C-621 Grade A, B & C** compliant.

Available in 50 lb. bags

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**SC Precision Grout HS**
A non-shrink, non-metallic, cementitious grout that provides high early and ultimate compressive strength, over 16,000 psi, throughout a variety of applications. The unique formula, when mixed with water, creates a grout that is flowable and pumpable. Designed to provide effective load bearing for high-strength precision grouting applications such as compressors, heavy equipment foundations and tank bases. **ASTM C1107, Grade A, B & C and CRD C-621 Grade A, B & C** compliant.

Available in 50 lb. bags
Panama Canal

**SC Multi-Purpose Grout, SpecPoxy 3000**

The $5.25 Billion Panama Canal expansion project doubled the capacity of the canal, increasing both the number of ships and the size of ships that could pass through. Our non-shrink, non-metallic, DOT approved SC Multi-Purpose Grout and our ASTM 881 compliant, hi-mod, SpecPoxy 3000 were submitted and approved for this project. SpecPoxy 3000 was used to bond steel plates to concrete structures, while our SC Multi-Purpose Grout was used to grout lighting standards.

**PROJECT HIGHLIGHT**

**SC Metallic Grout**

SC Metallic Grout is a non-shrink metallic cement-based grout designed for industrial applications subjected to dynamic and repetitive loading. SC Metallic Grout does not contain chloride and is formulated for a wide variety of grouting applications, from drypack to fluid. *ASTM C1107, Grade A, B & C* and *CRD C-621 Grade A, B & C* compliant.

Available in 50 lb. bags

**UW Grout**

UW Grout is a pumpable, underwater cement-based non-shrink grout for use on underwater repairs such as pile restoration. UW Grout is designed for underwater use in tidal zones, in applications requiring a non-shrink, non-metallic, wash-out resistant grout in thicknesses from 1/2” up to several inches. UW Grout is specially formulated for minimal wash-out and is salt-water resistant. *CRD C-621* compliant.

Available in 50 lb. bags

**WHAT IS ASTM C1107?**

This specification covers packaged dry, hydraulic cement grout (non-shrink) intended for use under applied load where a change in height below initial placement height is to be avoided. Grouts covered are composed of hydraulic cement, fine aggregate, and other ingredients. They require only the addition of mixing water for use.
Dry Shake Hardeners & Toppings
Designed to increased wear resistance on heavy traffic floors.

Quartz Floor Hardener
Quartz Floor Hardener is a mixture of finely graded non-metallic quartz aggregates, plasticizer, and cement binder. It is an economical concrete floor hardener recommended for both interior and exterior use. When applied at the proper point in the concrete setting cycle, Quartz Floor Hardener is worked into the concrete to become an integral part of the floor to provide a surface which is highly resistant to abrasion. ACI 302, ACI 305, ACI 306 compliant. Available in the following colors; Light Reflective, Tile Red, Nile Green, French Gray, Battleship Gray.

Available in 50 lb. bags

SpecPlate Floor Topping
SpecPlate Floor Topping is an industrial metallic aggregate floor topping which provides heavy duty abrasion and impact resistance to existing or new concrete floors. SpecPlate Floor Topping combines clean, graded, iron aggregate with special cements and admixtures to increase abrasion resistance up to 8 times more than 4000 psi concrete.

Available in 50 lb. bags as well as 3,000 lb. super sacks
Repair Products
Formulated for repair, stabilization, and restoration of your concrete.

**Final Finish™**
Final Finish™ is a one-component, rapid-hardening, polymer-modified concrete resurfacing mortar for smoothing, resurfacing, rubbing, and restoring concrete surfaces. Sandless for ultra-fine repairs, Final Finish™ offers a unique long pot life, with rapid-hardening performance on the substrate to minimize waste and labor. Final Finish™ offers superior durability for all interior and exterior, horizontal, vertical, and overhead concrete applications.

Available in 40 lb. bags and pails, 15 lb. pails

**SpecPatch 5**
SpecPatch 5 is a general purpose, polymer-modified, fast-setting concrete repair mortar for concrete floors, walls, precast, tilt-up, and masonry surfaces. SpecPatch 5 can be used for horizontal and vertical applications to provide a durable repair that can be shaped by shaving or sanding.

Available in 50 lb. bags

**SpecPatch Light**
SpecPatch Light is a light gray colored, polymer-modified concrete repair mortar for concrete floors, walls, precast, tilt-up, and masonry surfaces. SpecPatch Light can be used for horizontal and vertical applications to provide a durable repair that can be shaped by shaving or sanding.

Available in 50 lb. bags
Duo Patch

Duo Patch is a two-component, polymer-modified concrete repair mortar with integral corrosion inhibitor for use in horizontal, form and pour, and when mixed to a stiffer consistency, vertical and overhead applications. Duo Patch offers superior durability in industrial warehouse, parking deck, and roadway applications subject to heavy loads and abrasion.

Available in 50 lb. bags

SpecPatch 15

SpecPatch 15 is a general purpose, polymer-modified concrete repair mortar for concrete floors, walls, precast, tilt-up, and masonry surfaces. SpecPatch 15 can be used for horizontal and vertical applications to provide a durable repair that can be shaped by shaving or sanding, and sets in approximately 15 minutes.

Available in 50 lb. bags

SpecPatch 30

SpecPatch 30 is a general purpose, polymer-modified concrete repair mortar for concrete floors, walls, precast, tilt-up, and masonry surfaces. SpecPatch 30 can be used for horizontal and vertical applications to provide a durable repair that can be shaped by shaving or sanding.

Available in 50 lb. bags

RepCon® V/O

RepCon® V/O is a single-component, polymer-modified, fiber-reinforced concrete repair mortar with integral corrosion inhibitor for use in a variety of vertical and overhead repair applications. RepCon® V/O incorporates the latest in polymer technology, offering superior durability, performance and ease of application in industrial, commercial, and infrastructure (DOT) applications.

Available in 50 lb. bags

RepCon® H

RepCon® H is a single-component, polymer-modified, fiber-reinforced concrete repair mortar with integral corrosion inhibitor for use in a variety of screed or trowel-down horizontal repair applications. RepCon® H incorporates the latest in polymer technology, offering superior durability, performance and ease of application in industrial, commercial, and infrastructure applications. ASTM C928 compliant.

Available in 50 lb. bags
RepCon® H-350
RepCon® H-350 is a single-component, polymer-modified, fiber-reinforced concrete repair mortar with integral corrosion inhibitor for use in a variety of screed, trowel-down or form and pour repair applications. RepCon® H-350 incorporates the latest in polymer technology offering superior durability, performance, and ease of application in industrial, commercial, and infrastructure applications. **ASTM C928** compliant.

Available in 50 lb. bags

RepCon® 928
RepCon® 928 is a single-component, polymer-modified, fiber-reinforced, rapid-setting concrete repair mortar with corrosion inhibitor for use on concrete floors, highway pavements, bridge decks, and other applications requiring early resumption of traffic or use. RepCon® 928 incorporates the latest in polymer technology offering superior durability, performance, and ease of application without liquid activators for horizontal and vertical form and pour applications. **ASTM C928** compliant.

Available in 50 lb. bags

RepCon® 928 FS
RepCon® 928 FS is a very rapid-setting, polymer-modified, fiber-reinforced concrete repair mortar with corrosion inhibitor for use on concrete floors, highway pavements, bridge decks, and other applications requiring early resumption of traffic or use. RepCon® 928 FS incorporates the latest in polymer technology offering superior durability, performance, and ease of application without liquid activators for horizontal and vertical form and pour applications. **ASTM C928** compliant.

Available in 50 lb. bags

RepCon® UW Mortar
RepCon® UW Mortar is a single-component, polymer-modified, fiber-reinforced concrete repair mortar for use in underwater hand-applied concrete repair applications. RepCon® UW Mortar is designed **only** for underwater use in tidal zones in applications from 1/2” up to several inches. RepCon® UW Mortar is specially formulated for minimal wash-out in salt-water, and is chloride and sulfate-resistant.

Available in 50 lb. bags

SpecLevel PCT
SpecLevel PCT is a cement-based, self-leveling polishable concrete topping designed for interior and exterior use. SpecLevel PCT produces a dense, hard surface that can be diamond polished in **as little as 24 hours**. Mix SpecLevel PCT with water, pour or pump, and it will seek its own level to produce a smooth, hard, wearable surface. SpecLevel PCT dries to a light concrete gray and will accept integral color or stains.

Available in 50 lb. bags
San Antonio Office Complex: Palo Alto, CA

SpecLevel PCT, SpecPoxy 1000

Our premium, self-leveling polishable concrete overlayment was the featured product in a Palo Alto office complex project with Bay Area Concrete out of San Francisco. This project required over 7,000 bags of SpecLevel PCT - that's over eight truckloads of product, along with over 700 gallons of our SpecPoxy 1000, used as the bonding agent.

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**SpecPlug**

SpecPlug is a durable, fast-setting hydraulic cement mortar that stops flowing water through holes and cracks in concrete and masonry surfaces. SpecPlug will not shrink or oxidize.

Available in 50 lb. bags or pails

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**Super SpecPlug**

Super SpecPlug is a durable, super fast-setting hydraulic cement mortar that stops flowing water through holes and cracks in concrete and masonry surfaces. Super SpecPlug *sets in 90 seconds* and will not shrink or oxidize.

Available in 50 lb. bags or pails

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**SpecRock**

SpecRock is a one-component, waterproof, non-shrinking, Portland cement-based anchoring cement that sets hard in 12-15 minutes. It expands as it sets and locks into the surrounding concrete.

Available in 50 lb. pails

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**PROJECT HIGHLIGHT**
Locate area to be repaired. Hammer sounding or chain drag are generally used when locating delamination.

Prepare surface repair boundaries to prevent feather edged conditions. This is generally done by saw cutting the perimeter to recess the edge.

The moisture level of the existing concrete is critical to achieving a solid bond. An excessively dry substrate may absorb too much water from the repair material. Excessive moisture may clog the pores and prevent absorption of the repair material. SSD “saturated surface dry” or damp concrete is ideal prior to placing repair material.

Simple Steps to the GENERAL SURFACE PREP

Step 1
Locate area to be repaired. Hammer sounding or chain drag are generally used when locating delamination.

Step 2
Remove deteriorated concrete using acceptable methods. Surfaces of existing concrete expected to receive the repair material must be sound, clean, and free of bond inhibiting materials. An ideal sound surface is one of adequate compressive strength, free of any defects, with aggregate bonded to cement matrix.

Step 3
Prepare surface repair boundaries to prevent feather edged conditions. This is generally done by saw cutting the perimeter to recess the edge.

Step 4
Clean the surface of any exposed reinforcing steel and the existing concrete. Surface cleaning is critical to achieve an adequate bond between the repair and the existing concrete.

Step 5
The moisture level of the existing concrete is critical to achieving a solid bond. An excessively dry substrate may absorb too much water from the repair material. Excessive moisture may clog the pores and prevent absorption of the repair material. SSD “saturated surface dry” or damp concrete is ideal prior to placing repair material.
Locate area to be repaired. Hammer sounding or chain drag are generally used when locating delamination.

Prepare surface repair boundaries to prevent feather edged conditions. This is generally done by saw cutting the perimeter to recess the edge.

The moisture level of the existing concrete is critical to achieving a solid bond. An excessively dry substrate may absorb too much water from the repair material. Excessive moisture may clog the pores and prevent absorption of the repair material. SSD “saturated surface dry” or damp concrete is ideal prior to placing repair material.

**Repair Products**

**Total Patch**

Total Patch is a very rapid-setting, multi-purpose, concrete repair mortar for use on concrete floors, highway pavements, and other applications requiring high early strength and early resumption of traffic or use.

Available in 50 lb. bags

**SpecShot Plus**

SpecShot Plus is a fiber-reinforced shotcrete mortar for use in a variety of vertical and overhead repair applications. SpecShot Plus incorporates the latest in fiber technology, offering superior durability, performance and ease of application in industrial, commercial, and infrastructure (DOT) applications. SpecShot Plus can be applied by dry shotcrete (gunite) method or by mixing with water in a wet mix method.

Available in 50, 80, or 3000 lb. bags

**SpecFlow**

SpecFlow is a cement-based, non-shrinking, self-leveling floor underlayment designed for interior use. This single-component product produces a smooth subfloor that will accept floor coverings in as little as 12-18 hours after installation. Just mix SpecFlow with water, pour or pump, and it will seek its own level to produce a smooth, flat, hard surface.

Available in 50 lb. bags

**SpecSmooth**

SpecSmooth is a one-component, polymer-modified concrete repair and resurfacing mortar for smoothing, resurfacing, rubbing, and restoring concrete surfaces. SpecSmooth offers superior durability for all interior and exterior, vertical, overhead, and horizontal concrete applications. Ideal for repairs from a feather edge up to 1/4”, SpecSmooth can also be used as a skim patch or trowel-down underlayment for horizontal repairs subject to light traffic.

Available in 50 lb. bags

**RevCrete™**

RevCrete™ is a one-component, polymer-modified concrete repair and resurfacing mortar for smoothing, resurfacing, and restoring concrete surfaces. RevCrete™ offers superior durability for all interior and exterior concrete applications and can be diamond polished for a dense decorative overlay.

Available in 50 lb. bags
What is ASTM C928?

This specification covers packaged, dry, cementitious mortar or concrete materials for rapid repairs to hardened hydraulic-cement concrete pavements and structures.

Materials that contain organic compounds, such as bitumens, epoxy resins, and polyesters, as the principal binder are not included. Packaged, dry, concrete material contains aggregate of which at least 5% by mass of the total mixture is retained. Packaged, dry, mortar material contains aggregate of which less than 5% by mass of the total mixture is retained.

Aqueous solutions, aqueous emulsions or dispersions may be included as components of the packaged materials. Aggregates must be included as a component of the packaged materials. Both packaged dry concrete and mortar shall be mechanically mixed with the use of a mixing liquid.

Different test methods shall be performed in order to determine the following properties: compressive strength, length change, scaling resistance, and slant shear bond strength.

Industry Knowledge

SC Foundation Coating

SC Foundation Coating is a polymer-modified, cement-based waterproofing coating formulated to provide superior water-resistant concrete and masonry substrates. SC Foundation Coating is designed to waterproof the exterior surface of below grade concrete and masonry. SC Foundation Coating closes the internal voids in the substrate, but still allows full breathability.

Available in 50 lb. bags

SpecPrep SB

SpecPrep SB is a three-component, long open time, cement/epoxy bonding adhesive and anti-corrosion rebar coating. SpecPrep SB offers up to a 24 hour open time and a structural bond for fresh concrete or repair mortars to existing concrete. SpecPrep SB also provides an anti-corrosion, protective coating for steel rebar in concrete restoration. SpecPrep SB will resist penetration of water and chlorides but will not form a vapor barrier after cure.

Available in 1 or 3.75 gal units
The Industry Standard for toughness and protection of your concrete surfaces.

Cure Shield – the industry champion for curing, sealing – and protecting. Nothing penetrates to shield against spalling and deterioration of your concrete surfaces - fresh concrete or existing – Like SpecChem’s Cure Shield

Protect your investment. Get the Ultimate.

www.specchemllc.com | 816.968.5600
Acrylic Bonding Agents
Providing superior adhesion and increased durability.

**Strong Bond**
Strong Bond is an acrylic admixture and bonding agent designed to improve the adhesion and durability of concrete, masonry, stucco, terrazzo, and Portland cement/sand mixes to horizontal and vertical concrete and other surfaces. May contribute to LEED credits. ASTM C1042, Type 2, and ASTM C1059, Type 2 compliant.

Available in 1, 5, or 55 gal units

**SpecWeld**
SpecWeld is a ready-to-use, rewettable polyvinyl acetate (PVA) emulsion admixture and bonding agent which bonds new concrete, underlayments, masonry, stucco, terrazzo, and Portland cement/sand mixes to horizontal and vertical concrete surfaces. Recommended for interior and/or exterior use not subjected to constant moisture, hydrostatic pressure or continuous water saturation. ASTM C932 and ASTM C1059, Type 1 compliant.

Available in 1, 5, or 55 gal units

**SpecPrime**
SpecPrime is a ready-to-use, rewettable, tinted primer which bonds new concrete and SpecChem underlayments to horizontal concrete or other sound surfaces. Recommended for interior and dry applications only. Specifically designed as a primer for SpecFlow.

Available in 1, 5, or 55 gal units
Asphalt Patching, Waterproofing & Damp Proofing

Designed to patch, repair, protect, waterproofing, damp proofing and protecting asphalt surfaces.

**Max-A-Patch ACP**
Max-A-Patch ACP is a high-quality, pre-mixed, all-weather, permanent asphalt cold patch. An optimal choice for all types of pavement repair jobs, such as dangerous potholes, wide cracks, or ruts, Max-A-Patch ACP is ready and open to traffic within minutes in any type of weather.

Available in 50 lb. bags

**Max-A-Seal DP**
Max-A-Seal DP is a non-fibered emulsion coating designed to meet ASTM D1227, Type III specification. This material is an asphalt emulsion with selected colloids to formulate a damp proofing coating that resists water penetration while allowing moisture vapor to escape.

Available in 5, 55, 275 gal units

**Max-A-Seal WP**
Max-A-Seal WP is an anionic emulsion that is latex modified. This material is an emulsion with colloids and polymers to formulate a waterproofing coating. Max-A-Seal WP can be used for exterior below grade or between slab application.

Available in 5, 55, 275 gal & bulk units

**Max-A-Tack TTC**
Max-A-Tack TTC is an anionic trackless tack coat emulsion that is used primarily as a tack coat. This product can also be diluted 10% with water and used as a fog seal. Max-A-Tack TTC is manufactured to meet applicable state specifications.

Available in 5, 55, 275 gal & bulk units
NATIONWIDE DISTRIBUTION, SALES, AND SUPPORT

We maintain five state-of-the-art manufacturing plants strategically located to serve all major markets, ensuring cost-effective and on-time shipping to every major market in the continental United States.

With regional sales offices and a national sales force serving every major market in the country, we’ve built a nationwide distribution model that allows us to provide best-in-class products, top-rated customer service & support, and – by leveraging location-based raw materials advantages – competitive pricing.

Contact your SpecChem sales representative, or drop us a note online at SpecChemllc.com for distribution in your area.

Baltimore
Kansas City, MO

Located in the heart of downtown Kansas City, the historical, six-story Lowe & Campbell building has been part of an $18 million renovation and serves as the headquarters for SpecChem, LLC.
**Richmond**  
*Kansas City, KS*
Richmond, only minutes away from our Baltimore headquarters location, has the distinction of being our first plant, and of being capable of producing any of our liquid chemical products and epoxies. Richmond also houses our laboratory and our R&D team, along with our 7,600 square foot training facility.

**Chopper**  
*Harleyville, SC*
The latest addition to the SpecChem manufacturing portfolio, Chopper is a 70,000 square foot full-line manufacturing plant located in the heart of the Southeast. Chopper has the largest capacity of any of our plants and serves the entire eastern seaboard.

**Bunker**  
*Kansas City, KS*
Another Kansas City-based manufacturing plant, Bunker handles primarily cementitious products. Bunker’s strategic location, just off of the Kansas River, offers us an unique competitive edge. Our immediate access to key raw materials - some of the best sand in the country for use in high-strength grouts, structural repair mortars, and other cementitious materials - gives us an incomparable advantage in terms of logistics.

**Star**  
*Farmersville, TX*
This state-of-the-art manufacturing plant, located just north of Dallas, is also strategically located to leverage logistical advantages. Proximity to raw materials suppliers, and general location – allowing for wide geographic coverage – give us yet another competitive advantage when it comes to keeping prices competitive and getting product to customers on time.

**Sinatra**  
*Las Vegas, NV*
Serving the Southwest, Sinatra is one of our newer manufacturing plants. Sinatra produces a wide variety of SpecChem products, including a full line of cementitious, epoxy, and liquid technologies. This plant is also strategically located in the Southwest to effectively serve the West Coast.
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## SpecChem Product Comparison

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Misc = NoxCrete (NX), Lyons, Adhesive Tech (AT), L&M, Glaze N’ Seal (GS), CTS Rapid Set, Ardex, Right Pointe (RP), Scofield (S)
### Acrylic Bonding Agents

- **SpecPrime**: Re-emulsifiable underlayment primer for SpecFlow  
- **SpecWeld**: Rewettable acrylic bonding agent  
- **Strong Bond**: Non-rewettable acrylic bonding agent & admixture

### Asphalt Patching, Waterproofing, Damp Proofing

- **Max-A-Patch ACP**: High-quality, pre-mixed, all-weather, permanent asphalt cold patch.  
- **Max-A-Seal DP**: Non-fibered emulsion coating (meets ASTM D1127).  
- **Max-A-Seal WP**: Anionic emulsion, latex modified emulsion.  
- **Max-A-Tack TTC**: Anionic trackless tack coat emulsion, used primarily as a tack coat.

### Bond Breakers

- **CleanLift 20/20**: Premium reactive water-based tilt-up cure/bond breaker  
- **SpecTilt 100**: Premium reactive solvent-based tilt-up bond breaker  
- **SpecTilt EX**: Quick-drying, low VOC solvent-based bond breaker  
- **SpecTilt WB**: Premium reactive water-based bond breaker

### Cementitious Grouts

- **SC Metallic Grout**: High-strength, non-shrink, metallic grout (meets ASTM C1107)  
- **SC Multi-Purpose Grout**: Non-shrink, non-metallic construction grout (meets ASTM C1107)  
- **SC Precision Grout**: High flow/high-strength, non-shrink, non-metallic grout (meets ASTM C1107)  
- **SC Precision Grout HS**: High performance/high-strength grout  
- **UW Grout**: Underwater cementitious grout

### Cleaners, Strippers & Misc. Chemicals

- **Berry Clean**: Raspberry scented solvent/cleaner/degreaser  
- **K-Set**: Non-corrosive, non-chloride masonry accelerating admixture  
- **Orange Peel**: Citrus-based solvent & degreaser  
- **Sealer ReNew**: High-strength deblushing solvent/cleaner  
- **Solvent 100**: High-strength solvent cleaner  
- **SpecBlast**: Biodegradable cleaner to remove hardened concrete from forms, tools, etc.  
- **Xylene**: High-strength solvent cleaner for resin-based compounds

### Curing Compounds and Cure & Sealers

- **Crystal Rez**: Clear, water-based dissipating resin cure  
- **Cure & Seal 25**: 25% solids solvent-based cure & seal
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