



ChemMasters Transportation Infrastructure Products

ChemMasters offers a wide variety of chemistries designed to meet the demanding requirements of state and provincial Departments of Transportation (DOT). Our products have undergone extensive testing at independent laboratories in order to verify they meet DOT performance specifications throughout the US and Canada. Consult the ChemMasters DOT Specifications map at chemmasters.net/Resources2.php to view all the ChemMasters products that appear on your state or provincial Qualified Products Lists (QPL).

Available product categories include:

White Pigmented Highway Cures

- Wax
- Resin
- Poly-Alpha Methylstyrene (PAMS)
- One-Step Cure & Penetrating Silane Sealer

Clear Highway Cures

- Wax
- Resin

Penetrating Water Repellent Sealers

- Water-Based Silane
- Solvent-Based Silane Including Low-VOC & Fast Drying Versions
- 100% Low-VOC Silane
- Oil, Water and Stain Resistant Silane
- Boiled Linseed Oil

Bridge & Sound Wall Coatings

- Epoxy/Urethane Systems
- Elastomeric
- Siliconized Acrylic
- Acrylic (Textured & Smooth)

Anti-Graffiti Coatings

- Non-Sacrificial
- Sacrificial

Crack Repair & Sealers

- High Molecular Weight Methacrylate (HMWM)
- Epoxy

Concrete Restoration

- Cementitious
- Polymer (Epoxy & MMA)
- Vertical & Overhead
- Low Temperature

Grouts

- Cementitious
- Polymer (Epoxy & MMA)
- Low Temperature

Form Release Agents & Set Accelerators

Concrete Restoration Products

Horizontal Repairs

Durapatch™ MMA

Very high strength, chemical resistant methyl methacrylate patching mortar. Cures in low temperatures.

Durapatch™ EPX

Very high strength, chemical resistant epoxy patching mortar.

ChemSpeed™ 65

Rapid setting, high strength, polymer modified highway or industrial horizontal patching material. Can be extended with up to 50% pea gravel for deep patching. *Specifications: ASTM C928, R3*

ChemSpeed™ 75 ES

One component, extended set "summer grade," high performance mortar with high early strength for structural repair and form & pour applications.

ChemSpeed™ 75

One component, rapid setting "winter grade," high performance mortar with high early strength for structural repair and form & pour applications.

ChemPatch™ RS

One component, rapid setting multi-functional repair mortar for a wide variety of horizontal, vertical and overhead repairs.

SpeedPatch™ XL²

Fast setting, gypsum free patching compound with superior freeze/thaw durability. Shavable after initial set.

Vertical & Overhead Repairs

ChemPatch™ VO1

One component, polymer modified, high strength, fast setting, non-shrink repair mortar with fiber and migrating corrosion inhibitor for deep vertical and overhead structural repairs.

ChemPatch™ Fast VO

One component, polymer modified, shrinkage compensated, very fast setting, non-shrink repair mortar with fibers and corrosion inhibitor.

SpeedPatch™ XL²

Fast setting, gypsum free patching compound with superior freeze/thaw durability. Shavable after initial set. Color similar to standard concrete.

Grouts

Cementitious Construction Grouts

Conset™ Grout-XT

Non-shrink, high performance construction grade grout with superior flow characteristics at installation temperature X-tremes. *Specifications: ASTM C1107; CRD C 621 92*

Conset™ Grout NY

Non-shrink construction grade grout for NY State DOT projects. *Specifications: ASTM C1107; CRD C 621 92*

Conset™ Grout

Non-shrink construction grade grout. *Specifications: ASTM C1107; CRD C 621 92*

Specialty Grouts

Gorilla Grout™

Non-shrink, non-metallic, very high strength precision grout. *Specifications: ASTM C1107; CRD C 621 92*

Cable Grout

Non-shrink high performance, zero bleed, sand free grout for post tensioned structures.

Form Release Agents & Accelerators

Premium Hydro-Treated Oil-Based

Release

Oil-based, hydrotreated oil, dual action reactive concrete form release agent.

Set Accelerators

Freezban NC™

Non-Chloride accelerator and densifier for concrete and masonry. *Specifications: ASTM C494, Type E; AASHTO M 194, Type E; CRD C87, Type E*

Freezban™ / Freezban™ Beads

Accelerator for mortar, cement-based plaster and stucco. Available in liquid or bead formulations. *Specifications: ASTM C494, Type C; AASHTO M 194, Type C; CRD C87, Type C*



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Select from the following ChemMasters Transportation Infrastructure (DOT) products or call our Technical Service Department at **1-800-486-7866** to discuss your application.



Transportation Infrastructure





Water-Based Curing Compounds

Clear Resin Cures

Safe-Cure® Clear DR

Clear dissipating resin cure.

Specifications: ASTM C309, Type 1 (Type 1D upon request), Class B

Safe-Cure® Clear DOT

High solids, clear dissipating resin cure for DOT applications.

Specifications: ASTM C309, Type 1 (Type 1D upon request), Class B

EZ Strip Cure™

Clear curing compound which can be easily removed prior to application of subsequent floor coatings and treatments.

Specifications: ASTM C309, Type 1 (Type 1D upon request), Class A & B

EZ Strip Cure™ DR

Clear dissipating resin cure for interior & exterior applications. Requires no UV exposure. Easily removed with light mechanical or hand abrasion, or low pressure water.

Clear Wax Cures - DOT Approved in Many States

Safe-Cure® 1200 Clear

Clear wax emulsion curing compound.

Specifications: ASTM C309, Type 1 (Type 1D upon request), Class A

Safe-Cure® 1000 Clear

Clear wax emulsion curing compound.

Specifications: ASTM C309, Type 1 (Type 1D upon request), Class A

White Pigmented Resin Cures - DOT Approved in Many States

Certi-Vex® Envio Cure White 1315

White pigmented Poly Alpha-Methylstyrene (PAMS) resin highway curing compound. *Specifications: ASTM C309, Type 2, Class A & B, ASTM C1315, Type II*

Safe-Cure® 2000AP

White pigmented resin highway curing compound.

Meets FAA Requirements for Airport Use.

Specifications: ASTM C309, Type 2, Class B; FAA; CRD C300 version available upon request

Safe-Cure® 2000

White pigmented resin highway curing compound.

Specifications: ASTM C309, Type 2, Class B; FAA; CRD C300 version available upon request

Safe-Cure® 3500

White pigmented highway curing compound.

Specifications: ASTM C309, Type 2; MTO approved in Ontario, CA

Certi-Vex® Envio Cure White 500 MTO

White pigmented resin highway curing compound.

Specifications: ASTM C309, Type 2; MTO approved in Ontario, CA

White Pigmented Wax Cures - DOT Approved in Many States

Safe-Cure® 1200 HS

White pigmented wax emulsion highway curing compound.

Specifications: ASTM C309, Type 2, Class A; DOT approved in many states; CRD C300 version available upon request; high solids

Safe-Cure® 1200 06-012

White pigmented wax emulsion highway curing compound.

Specifications: ASTM C309, Type 2, Class A; DOT approved in many states; CRD C300 version available upon request; meets Illinois DOT requirements

Safe-Cure® 1200

White pigmented wax emulsion highway curing compound.

Specifications: ASTM C309, Type 2, Class A; DOT approved in many states; CRD C300 version available upon request

Safe-Cure® 1000V

White pigmented wax emulsion highway curing compound.

Specifications: ASTM C309, Type 2, Class A; DOT approved in the state of Virginia

Safe-Cure® 1000

White pigmented wax emulsion highway curing compound.

Specifications: ASTM C309, Type 2, Class A; DOT approved in many states; CRD C300 version available upon request

Safe-Cure® 800

White pigmented wax emulsion highway curing compound.

Specifications: ASTM C309, Type 2, Class A; DOT approved in many states

1 Step White Pigmented Wax Cure & Penetrating Sealer - DOT Approved in Many States

Silencure™ DOT

White pigmented wax emulsion highway curing compound with penetrating silane sealer.

Specifications: ASTM C309, Type 2, Class A; NCHRP 244, Series II and Series IV; ASTM C672

Penetrating Water Repellent Sealers

Water-Based Silanes & Siloxanes

PowerSeal® 40

40% solids, penetrating, water-repellent, chemically reactive water-based silane sealer for DOT and commercial concrete.

Low-VOC (<100 g/L). *Specifications: NCHRP 244, Series II & Series IV; ASTM C672*

Low-VOC Solvent-Based Silanes

Certi-Vex® Penseal 244 CT

100% solids, low-VOC (<250 g/L), penetrating, water-repellent, chemically reactive silane sealer with corrosion inhibiting treatment for DOT and commercial concrete.

Specifications: NCHRP 244, Series II & Series IV; ASTM C672 & ASTM G109, FHWA-RD-98-153

Certi-Vex® Penseal 244 O/W AIM

40% solids, low-VOC (<250 g/L), penetrating, water, oil and stain repellent, chemically reactive silane sealer for commercial and residential concrete.

Specifications: NCHRP 244, Series II & Series IV; ASTM C672

Aquanil™ Plus 100

100% solids, low-VOC (<250 g/L), penetrating, water-repellent, fast drying, chemically reactive silane sealer for DOT, commercial and residential concrete.

Specifications: NCHRP 244, Series II & Series IV; ASTM C672

Certi-Vex® Penseal 244 100%

100% solids, low-VOC (<250 g/L), penetrating, water-repellent, chemically reactive silane sealer for DOT, commercial and residential concrete.

Specifications: NCHRP 244, Series II & Series IV; ASTM C672

Aquanil™ Plus 40-A

40% solids, low-VOC (<250 g/L), penetrating, water-repellent, fast drying, chemically reactive silane sealer for DOT, commercial and residential concrete.

Specifications: NCHRP 244, Series II & Series IV; ASTM C672

Certi-Vex® Penseal 244 40% AIM

40% solids, low-VOC (<250 g/L), penetrating, water-repellent, chemically reactive silane sealer for DOT, commercial and residential concrete.

Specifications: NCHRP 244, Series II & Series IV; ASTM C672

Solvent-Based Silanes

Certi-Vex® Penseal 244 O/W

40% solids, penetrating, water-repellent, oil-repellent and stain-repellent, chemically reactive silane sealer for commercial and residential concrete.

Specifications: NCHRP 244, Series II & Series IV; ASTM C672

Aquanil™ Plus 100

100% solids, penetrating, water-repellent, fast drying, chemically reactive silane sealer for DOT, commercial and residential concrete.

Specifications: NCHRP 244, Series II & Series IV; ASTM C672

Certi-Vex® Penseal 244 100%

100% solids, low-VOC (<250 g/L), penetrating, water-repellent, chemically reactive silane sealer for DOT, commercial and residential concrete.

Specifications: NCHRP 244, Series II & Series IV; ASTM C672

Aquanil™ Plus 40

40% solids, penetrating, water-repellent, fast drying, chemically reactive silane sealer for DOT, commercial and residential concrete.

Specifications: NCHRP 244, Series II & Series IV; ASTM C672

Boiled Linseed Oil

Anti-Spall 55

55% solids, boiled linseed oil anti-spalling compound for DOT and commercial concrete.

Specifications: ASTM D235; ASTM D260; AASHTO M126 & M128; Fed. Spec. TTL 190C & TTT 291C

Coatings

Bridge Coatings

Duraguard™ 310CRU

Two-component, chemical resistant, aliphatic urethane. Standard and custom pigments available. Use Safe-Cure & Seal EPX as primer as part of DOT listed epoxy/urethane coating system.

Standard and custom pigments available. *Specifications: ACI 302.89, Table 1.1, Class 1, 2, 3, 4 & 5 floors; USDA when cured*

Safe-Cure® & Seal EPX

Two-component epoxy curing compound, sealer and primer. Available in clear or pigmented formulations.

Specifications: ASTM C309, Type 1 or 2 (pigmented), Class A & B; NCHRP 244 Series II & IV; ASTM C1315, Type I or II (pigmented), Class B; USDA when cured

ColorCoat™ XL

100% siliconized acrylic stain specifically formulated to have superior water shedding characteristics for exterior substrates.

Standard and custom pigments available. *Federal Specifications: TTC-555B & TTP 141D*

ColorCoat™ XL

100% siliconized acrylic stain specifically formulated to have superior water shedding characteristics for exterior substrates.

Standard and custom pigments available. *Federal Specifications: TTC-555B & TTP 141D*

ColorCoat™

100% acrylic coating for concrete and masonry. Standard and custom pigments available.

Federal Specifications: TTC-555B & TTP 141D

Wall Coatings

ColorCoat™ XL

100% siliconized acrylic stain specifically formulated to have superior water shedding characteristics for exterior substrates.

Standard and custom pigments available. *Federal Specifications: TTC-555B & TTP 141D*

ColorLastic™

100% elastomeric acrylic coating formulated to bridge hairline cracks, withstand substrate movement and accommodate rapid changes in temperature.

Standard and custom pigments available. *Federal Specifications: TTC-555B & TTP 141D*

ColorCoat™

100% acrylic coating for concrete and masonry. Standard and custom pigments available.

Federal Specifications: TTC-555B & TTP 141D

TextureDOT™

100% acrylic, textured coating for concrete and masonry.

Standard and custom pigments available. *Specifications: ASTM C309; USDA when cured*

TextureDOT™ - Smooth

100% acrylic, smooth coating for concrete and masonry.

Standard and custom pigments available. *Specifications: ASTM C309; USDA when cured*

Anti-Graffiti Coatings

Graffiti Stopper™

Two-component, non-sacrificial urethane that repels most paints and inks used by taggers to create graffiti.

Graffiti Seal™

Sacrificial anti-graffiti coating.

Graffiti Eraser™

Removes graffiti from concrete, masonry, brick, block, tile, natural stone or coated surfaces.

Crack Repair & Sealers

High Molecular Weight Methacrylates

Duraguard™ 401-30E

Very low viscosity, solvent-free, high molecular weight methacrylate penetrating sealer and crack healer with enhanced elongation for high flexural applications.

Duraguard™ 401

Very low viscosity, solvent-free, high molecular weight methacrylate penetrating sealer and crack healer.

Epoxy

Duraguard™ HM Sealer

100% solids, low viscosity, high modulus, moisture insensitive, gravity fed or injection epoxy crack filler and sealer.