



## **Bridge & Wall Coatings**

Products to Cure,  
Protect and Beautify  
Concrete

Since  
**1957**

American-Made Products

A FAMILY  
OWNED  
COMPANY



Our Knowledge is  
**Concrete & Specialty Coatings<sup>SM</sup>**



**ChemMasters<sup>®</sup>**

## One of the Broadest Offerings of Products for Concrete Bridges and Walls



ChemMasters' coatings protect many of the nation's most recognizable and strategically important structures. From military defense to transportation, infrastructure to commercial buildings...ChemMasters' coatings protect, beautify and prolong the life of concrete.

Wherever concrete is exposed to the elements, ChemMasters has a coating to suit your needs.

- **Departments of Transportation (DOT) & Municipal Engineering**

- Bridges
- Sound Wall Barriers

- **Commercial Buildings**

- Building Exteriors
- Retaining Walls

- **Residential**

- Stucco Exteriors
- Exposed Block Foundations
- Retaining Walls

ChemMasters offers a full range of chemistries to meet the demanding needs of harsh environments and the aesthetic requirements of any home or building owner. ChemMasters architectural coatings are the culmination of cutting edge development in materials, formulations, and performance. And they're true to our philosophy of manufacturing world-class products to protect and beautify concrete.

## Epoxy / Urethane Systems

**Epoxy/urethane coating systems are the preferred means of protecting high value concrete structures with extended design lives. As a system created expressly for concrete, their adhesion, UV stability, and waterproofing capabilities are proven technologies for long-term (15+ year) protection.**

### Safe-Cure® & Seal EPX

A low V.O.C., two-component, water-based epoxy curing and sealing compound for concrete. It is also suitable for use as an epoxy primer or coating for cured concrete. Available in either clear or pigmented formulations. For exterior applications without a topcoat, a special ultraviolet (UV) resistant formulation is available upon request. Meets ASTM C1315.

### Duraguard™ 310 CRU

A two component, chemical resistant aliphatic polyurethane coating. It may be used as a topcoat over epoxy and epoxy novalac systems to improve chemical, ultraviolet light and graffiti resistance. Available in clear or pigmented versions.

### Green-Thane™ 310 WB

An environmentally friendly two component, waterborne aliphatic, chemical resistant polyurethane coating. Used as a topcoat over epoxy coatings to improve the chemical, UV, abrasion and graffiti resistance of the coating system. Available in clear or pigmented versions.

### Safe-Cure® & Seal EPX

Film Formation	Cross-Linking	Dry Film Thickness	2.5 mil clear 3.3 mil colors
Recoat Time	Tack free up to 72 hours (call ChemMasters for instructions past 72 hours)	Percent Solids Clear Pigmented	31% 38 – 45%
Curing Efficiency	ASTM C1315, Type 1, Class B	Moisture Loss ASTM C 156	< 0.40 g/cm <sup>2</sup> in 72 hours
Water/Salt Resistance NCHRP 244 Series II & Series IV	86 – 92% Reduction	Abrasion Resistance Tabor 1000g/1000 cycles/ CS-17 Wheels	33.1 mg
Abrasion & Impact Resistance	Excellent	Shear Bond Strength—7 Days ASTM C 882	1,000 psi (21.4 MPa)
Tensile Bond Strength—7 Days Fresh Concrete Etched or Blasted	215-220 psi (1.4-1.5 MPa) 350-450 psi (2.4-3.1 MPa)	Gloss Retention	Excellent/Good
Color Retention	Moderate	Drying Time	< 4 hours
Pot Life	30 minutes		

### GreenThane™ 310 WB

Film Formation	Cross-Linking	Dry Film Thickness	4 mil @ 200 ft <sup>2</sup> /gal
Water Absorption @ 50 Days	0.2 – 0.4%	Percent Solids	66 – 72%
Water/Salt Resistance NCHRP 244 Series II & Series IV	86 – 92%	Water Absorption ASTM C 642 – 2 day/50 day	< 0.5% / < 2.0%
Salt Resistance ASTM B 117 73, 2,000 hrs	No Effect	QUV Weathering – 8,000 hrs ASTM D 4587	98% Gloss Retention 1ΔE Shift
Efflorescence Resistance	Excellent	Deicer Scaling ASTM C 672	0% @ 100 cycles
Abrasion & Impact Resistance	Excellent	Abrasion Resistance Tabor 1000g/1000 cycles/ CS-17 Wheels	25 grams
Color Retention	Excellent/Superior	Adhesion	> 150 psi
Tensile Strength	2,200 psi	Gloss Retention	Excellent/Superior
Durability	15+ Years	Percent Elongation	10 – 15%
Solvent Resistance 100 Double Rubs	No Effect	Pencil Hardness ASTM D 3363	> 2H

**Markets:** DOT / Municipal – Bridge Parapets, Bridge Columns, Precast Spans, Bridge Substructure & Superstructure

# 100% Elastomeric Acrylic Coating

## ColorLastic™

A pigmented, waterproof coating for concrete and masonry. ColorLastic is produced with 100% elastomeric acrylic resins and formulated for superior aging characteristics. ColorLastic bridges hairline cracks, withstands substrate movement and accommodates rapid changes in temperature.



### USES

- Coating for exterior or interior, above grade vertical and overhead concrete and masonry
- Functional, yet decorative, waterproof sealer for poured in place concrete, precast members, block, brick, plaster or stucco surfaces.
- Topcoat for ChemSeal or other cementitious coatings
- Provides a uniform matte color following repairs of deteriorated surfaces exposed to severe weathering

### ADVANTAGES

- Exceptionally durable film resists wind driven rain, mold, mildew, and dirt
- Excellent elongation and recovery properties
- Optimum water vapor permeability eliminates cracking and peeling
- Withstands extremes in thermal cycling; maintains flexibility from season to season
- Ultraviolet (UV) light, stable, fade resistant
- Seals and waterproofs hairline cracks
- Extremely low V.O.C. content, water based for environmental impact compliance
- Available in nine architectural colors; special color matching available subject to minimum order and lead time requirements

## ColorLastic™

<b>Film Formation</b>	Evaporation/Coalescence	<b>Dry Film Thickness</b>	16 mil – 2 coats @ 100 ft <sup>2</sup> /gal
<b>Water Absorption @ 50 Days</b>	Less than 1.0%	<b>Salt Spray ASTM B 117</b>	300 hours
<b>Water/Salt Resistance NCHRP 244</b>	75 – 80%	<b>Water Absorption ASTM C 642 – 2 day / 50 day</b>	< 0.5% / < 2.0%
<b>Deicer Scaling – 50 Cycles ASTM C 672</b>	Visual Rating – 1 Scaling Mass – 0	<b>Freeze/Thaw Cycling – 300 Cycles, ASTM C 666</b>	97 Durability Factor
<b>Weatherometer – 5,000 hours ASTM G 26</b>	No Cracking, Peeling, Flaking, Chipping or Delamination	<b>Adhesion – Direct Tensile</b>	> 75 psi
<b>Abrasion &amp; Impact Resistance</b>	Good	<b>Percent Solids</b>	50 – 62%
<b>Color Retention</b>	Very Good	<b>Gloss Retention</b>	Very Good
<b>Tensile Strength ASTM D 412 modified</b>	200 psi (1.4 MPa) @ 75°F (24°C) 600 psi (4 MPa) @ 0°F (-17°C)	<b>Percent Elongation</b>	200 – 300%
<b>Durability</b>	10+ Years	<b>1/8" Mandrel Flexibility</b>	75°F (24°C) pass 0°F (-17°C) pass -15°F (-26°C) pass
<b>Water Vapor Transmission ASTM E 96</b>	10.5 perms @ 20 mil film	<b>Tensile Elongation ASTM D 412</b>	300% @ 75°F (24°C) 115% @ 0°F (-17°C)
		<b>Wind Driven Rain Resistance Fed Spec TT-C-555-B</b>	Water Penetration – None Blister Density/Size – None

**Markets:** DOT / Municipal – Sound Wall Barriers, Bridge Parapets, Bridge Columns, Precast Spans, Bridge Substructure & Superstructure

Commercial – Building Exteriors, Masonry/Block Walls, Retaining Walls

Residential – Stucco, Exterior Above-Ground Foundations, Retaining Walls



# Heavy Bodied, 100% Acrylic Emulsion, Decorative Coatings

## TextureDOT™ & TextureDOT™ Smooth

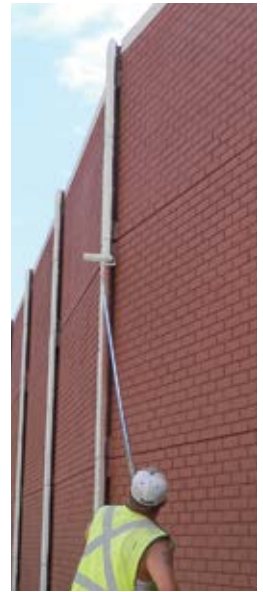
A heavy bodied, 100% acrylic emulsion, decorative, textured coating. It develops a tough, durable, water repellent film that is alkali, acid and mildew resistant. TextureDOT meets ASTM C1315 as an architectural cure & seal, and is available in both textured and smooth versions.

### USES

- Interior or exterior, vertical and overhead concrete and masonry surfaces
- Poured and formed walls, block, brick, cement plaster, stucco, wall board, and sheet rock
- Sealing jersey and median barriers, sound barrier walls, bridge abutments, and retaining walls
- Decorative water repellent finish
- Textured finish hides defects in the substrate

### ADVANTAGES

- Superior color stability under harsh ultraviolet light exposure
- Excellent hiding power minimizes minor surface imperfections and defects
- Resistant to stains, dirt, and atmospheric pollutants
- Provides uniformly colored, textured finish
- Exceptional moisture vapor transmission
- Will not crack or peel
- Expansion and contraction characteristics compatible with concrete and masonry surfaces
- Durable, outlasts standard paints 2:1
- Available in 9 standard colors or any federal color for DOT applications.



## TextureDOT™

<b>Film Formation</b>	Evaporation/Coalescing	<b>Dry Film Thickness</b>	23 mil per coat @ 50 ft <sup>2</sup> per gallon
<b>Percent Solids</b>	72 – 74%	<b>Salt Spray – 2,000 hours ASTM B 117</b>	No Effect
<b>Curing Efficiency: Moisture Loss @ 72 hours</b>	0.20 kg/m <sup>2</sup>	<b>Deicer Scaling – 50 Cycles ASTM C 672</b>	Visual Rating – 0 Scaling Mass – 0
<b>Water/Salt Resistance NCHRP 244, Series II &amp; IV</b>	21 days immersion, 6 months - slab	<b>Freeze/Thaw Cycling – 300 Cycles, ASTM C 666</b>	98 Durability Factor
<b>Weatherometer – 5,000 hours ASTM G 23</b>	No Peeling or Delamination	<b>Mandrel Flexibility</b>	180° bend over 1" mandrel
<b>Impact Resistance ASTM D 2794</b>	24 in-lbs direct impact	<b>Abrasion Resistance – 3,000 Liters Falling Sand, ASTM D 968</b>	No Peeling or Delamination
<b>Adhesion – Blister Box Method, 2,000 hours</b>	No Blistering or Peeling	<b>Durability</b>	12+ Years

**Markets:** DOT / Municipal – Sound Wall Barriers, Jersey Barriers

Commercial – Building Exteriors, Masonry/Block Walls, Retaining Walls

Residential – Stucco, Exterior Above-Ground Foundations, Retaining Walls

# 100% Acrylic Coatings

## ColorCoat™

A heavy bodied 100% acrylic emulsion decorative coating specifically formulated to withstand outdoor exposure on concrete, masonry, stucco or cement plaster. It develops a tough durable water repellent film that is UV-stable, high gloss, alkali, and acid resistant.



### USES

- Exterior or interior, vertical and overhead, concrete and masonry
- Poured in place, formed walls, block, brick, or stucco
- Functional and decorative water repellent finish
- Provides a uniform matte color following repairs of deteriorated surfaces

### ADVANTAGES

- Excellent adhesion and weathering properties
- Superior moisture vapor transmission through substrate reduces cracking and peeling
- Protects against airborne dirt and pollutants
- Non-yellowing and fade resistant
- Available in a wide variety of colors

## ColorCoat™

<b>Film Formation</b>	Evaporation/Coalescence	<b>Salt Spray ASTM B 117 – 2,000 hours</b>	No Effect
<b>Water Absorption @ 50 Days</b>	1 – 2%	<b>Water Absorption ASTM C 642 – 2 day/50 day</b>	< 0.5% / < 2.0%
<b>Water/Salt Resistance NCHRP 244</b>	75 – 80%	<b>Freeze/Thaw Cycling – 300 Cycles ASTM C 666</b>	97 Durability Factor
<b>Deicer Scaling – 50 Cycles ASTM C 672</b>	Visual Rating – 0 Scaling Mass – 0	<b>Adhesion – Direct Tensile</b>	> 150 psi
<b>Weatherometer ASTM G 26</b>	5,000 hours, No Peeling	<b>Gloss Retention</b>	Very Good
<b>Adhesion - Blister Box Method</b>	2,000 hours No Blistering or Peeling	<b>Percent Elongation</b>	10 – 20%
<b>Fading (Fade-O-Meter)</b>	100 hours	<b>1/8" Mandrel Flexibility</b>	75°F (24°C) pass 0°F (-17°C) pass -15°F (-26°C) pass
<b>Tensile Strength</b>	800 psi	<b>Fire Hazard ASTM E 84</b>	Smoke density, fuel contribution & flame spread all <25 (NFPA Class A)
<b>Durability</b>	10+ Years		
<b>Moisture Vapor Transmission Rate ASTM D 1653</b>	18 perms @ 6 mil dry film thickness		
<b>Dry Film Thickness</b>	12 – 14 mil (2 coats)		
<b>Percent Solids</b>	58 – 62%		

**Markets:** DOT / Municipal – Sound Wall Barriers, Bridge Parapets, Bridge Columns, Precast Spans, Bridge Substructure & Superstructure

Commercial – Building Exteriors, Masonry/Block Walls, Retaining Walls

Residential – Stucco, Exterior Above-Ground Foundations, Retaining Walls

# 100% Siliconized Acrylic Stain

## ColorCoat™ XL

A heavy bodied 100% siliconized acrylic emulsion specifically formulated for superior water shedding characteristics when applied to exterior concrete, masonry, stucco or cement plaster. ColorCoat XL has exceptional penetration and adhesion, forming a tough, durable, water repellent film that is highly UV-stable, high gloss, alkali, acid, mildew resistant and contains an inhibitor to prevent mold and fungal growth.



### USES

- Exterior or interior, vertical and overhead, concrete and masonry
- Poured in place, formed walls, block, brick or stucco
- Functional and decorative water repellent finish
- Provides a uniform matte color following repairs of deteriorated surfaces

### ADVANTAGES

- Excellent penetration, adhesion and weathering properties
- Siliconized acrylic for enhanced water shedding characteristics
- Superior moisture vapor transmission through substrate reduces cracking and peeling
- Protects against airborne dirt and pollutants
- Non-yellowing and fade resistant
- Available in a wide variety of colors

## ColorCoat™ XL

<b>Film Formation</b>	Evaporation/Coalescence	<b>ASTM G53-13, Cycle 1 Twin Carbon Arc Weatherometer Exposure/ 2,500 Hours (Avg. 3 Samples)</b>	Visual: Gray Scale Rating 4 to 5 Very slight color change / loss of gloss / surface spotting. No other detrimental effects. Adhesion: Rating 5 No peeling or removal
<b>Deicer Scaling 50 Cycles ASTM C 672 (Avg. 3 Samples)</b>	Visual Rating – 0 Mass Loss – 0.0 lb/ft <sup>2</sup>		
<b>Deicer Scaling 100 Cycles ASTM C 672 (Avg. 3 Samples)</b>	Visual Rating – 0.8 Mass Loss – 0.01 lb/ft <sup>2</sup>	<b>Gloss Retention</b>	Very Good
<b>Durability</b>	10+ Years	<b>Water Resistance</b>	Very Good
<b>Moisture Vapor Transmission Rate ASTM D 1653</b>	17.5 Perms Average of 3 Samples	<b>AASHTO T 259 Resistance of Concrete to Chloride Ion Penetration</b>	84.4% Reduction @ 0.625 to 0.50 inch depth
<b>Dry Film Thickness</b>	12 – 14 mil (2 coats)	<b>AASHTO T 260 Sampling &amp; Testing for Chloride Ion in Concrete &amp; Concrete Raw Materials</b>	89.2% Reduction @ 0.50 to 1.0 inch depth
<b>Percent Solids</b>	55 – 59%		

**Markets:** DOT / Municipal – Sound Wall Barriers, Bridge Parapets, Bridge Columns, Precast Spans, Bridge Substructure & Superstructure

Commercial – Building Exteriors, Masonry/Block Walls, Retaining Walls

Residential – Stucco, Exterior Above-Ground Foundations, Retaining Walls

## Anti-Graffiti Coatings

### Graffiti Stopper™

A two component polyester urethane developed specifically to protect surfaces from graffiti. Once applied to most surfaces, Graffiti Stopper will form a durable coating to reduce the adhesion of most coatings, paints and inks to the surface. Paints will typically bead on the surface and make the development of letters or designs difficult. Once dried on the surface, paints or inks can be removed without the use of harsh chemicals. Graffiti can be removed with **Graffiti Eraser™** from ChemMasters and a pressure washing without leaving a shadow on the surface or damaging the coating. Available in high gloss, satin, or flat finishes.

Watch our “How To” video to learn more about Graffiti Stopper and Graffiti Eraser.



#### USES

- Exterior concrete, masonry, metal or galvanized metals
- Traffic signs, rail cars, sound barriers, bridges, bathroom stalls, schools or other areas subject to attack by graffiti

#### ADVANTAGES

- Treated surfaces are easy to clean
- Adheres tenaciously to a wide variety of substrates
- Protects surfaces regardless of substrate texture (Smooth surfaces will clean more easily)
- UV stable and will not yellow
- Easily mixed and applied with brush, roller or sprayer



*Graffiti Eraser removes graffiti from substrates coated with Graffiti Stopper.*

### Graffiti Seal™

A single component, water based, sacrificial coating system for easy and environmentally safe removal of graffiti.



Independent  
Responsive  
Family Owned  
for Over 50 Years



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#### USES

- Exterior concrete, masonry, metal or galvanized metals
- Traffic signs, rail cars, sound barriers, bridges, bathroom stalls, schools, or other areas subject to attack by graffiti

#### ADVANTAGES

- Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59
- 0% V.O.C. content, biodegradable, odorless
- Breathable for excellent moisture vapor transmission
- Easy to apply and remove
- Will not change the appearance of the substrate
- Durable and non-yellowing