



ChemMasters®

ColorLastic™

Elastomeric Acrylic Coating

Quality • Innovation • Service

P R O D U C T D A T A

DESCRIPTION

ColorLastic is 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 a wide variety of colors.

Packaging Product Number

5 gallon (18.9L)	36/pallet	F3140.05
55 gallon (208L)	4/pallet	F3140.55

TECHNICAL DATA

Meets National VOC Emission Standards for Architectural Coatings Federal EPA Regulation 40 CFR Part 59 < 600 g/L

Test Data

V.O.C. Content:	<50 g/L
Solids %	56 to 62
ASTM D412 modified Tensile Strength	75°F(24°C) 200 psi (1.4 MPa) 0°F (-17°C) 600 psi (4 MPa)
ASTM D412 Tensile Elongation	75°F(24°C): 300% 0°F (-17°C): 115%
ASTM E96 Water Vapor Transmission	20 mil film (10.5 perms)
ASTM D522 1/8" (3.2 mm)	75°F(24°C): pass 0°F (-17°C): pass -15°F (-26°C): pass
ASTM G26 Weatherometer 5000 hrs	No crazing, cracking chipping or flaking
Fed Spec TT-C-555-B Wind Driven Rain Resistance	Water Penetration: none Blister Density /Size: none
ASTM C666 Freeze/Thaw Durability	300 cycles: 97.3%
ASTM C672 Scaling Resistance 50 cycles	Visual Rating: 1 Scaling Mass: 0
ASTM C412 Salt Spray Resistance Kentucky Method	300 hrs/5% solution@ 90°F (32°C) no adhesion loss
FED Test 141, Method 6271 Fungus Growth	28 days: none
Viscosity	4,500 to 7,000 cps

Estimating Guide Varies on surface texture and density

Generally, two coats at 150 ft²/gal (3.8 m²/L) to ensure waterproof film.

To bridge cracks and maintain water tightness, use two coats each applied at 100 ft²/gal (2.5 m²/L) are required.



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American Made Products—Family Owned Company

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Nov 2025

DIRECTIONS

Surface Preparation for hardened concrete: The performance of **ColorLastic** is dependent on the quality of the substrate preparation. All surfaces must be free of soot, dirt, form release agents, grease, waxes, laitance, efflorescence, and any other foreign matter. Any chalking, oxidation, or unsound substrate must be removed prior to coating. Repair all holes, cracks, and mortar joints with **ChemPatch VO1** and/or caulk with an acrylic joint sealant. Incidental metal and wood surfaces must be primed and sealed; metal with a rust inhibiting primer and wood with a high quality primer sealer. Prepare the surface via water-blast, sandblast, or soda-blast. Preparation should expose the sand matrix portion of concrete and leave a surface texture consistent with 100 grit sandpaper (ICRI CSP-3). Then air broom or power sweep the surface to remove dust and sand from the surface and to clear the opened pores. Contact ChemMasters for advice on pretreatment of powdery surfaces. If there is any doubt a test patch should be applied.

ColorLastic bridges non-moving hairline cracks which are defined as no more than $\frac{1}{32}$ inch (0.79 mm) in width. Pretreat hairline cracks with a coat of **ColorLastic** and allow to dry.

Wider cracks and any that have been determined to be moving must be repaired prior to applying **ColorLastic**. Gaps up to 0.25 inch (6 mm) can be cleaned and filled with an acrylic or urethane joint sealant. Follow sealant manufacturer's preparation and application directions and allow sealant to cure. Prime repaired areas with **Safe-Cure & Seal 309** prior to application of **ColorLastic**.

MIXING: **ColorLastic** is packaged ready-to-use. Stir contents well before use with a paddle or mechanical mixer to insure proper pigment dispersion. Do not thin with water or solvent.

APPLICATION: Apply to thoroughly dry surfaces only. Do not apply if rain, dew, fog or relative humidity above 75% is expected within twenty-four hours of application.

Apply using standard, airless sprayer equipped with a 0.031 to 0.035 orifice nozzle, a brush or roller. Avoid buildup on roller ends to prevent lap marks. Apply using even strokes in a consistent horizontal or vertical direction to produce a uniform appearance. Work into a wet edge. End work at a natural breaking point such as a wall or corner. Allow initial coat to dry before applying second coat. Drying time at 70°F (21°C) with 50% relative humidity is 24 hours. Lower temperatures or higher humidity extends drying time. If below 60°F (15°C) condition material to 60°F (15°C).

CLEANUP

Clean tools and equipment with warm water and soap or detergent before material dries and hardens.

LIMITATIONS

Do not apply when:

- the surface or air temperature is or is expected to be below 40°F (4.4°C) within 8 hours of application.
 - temperature at the time of application is less than 5°F (2.7°C) above the dew point within 8 hours of application
 - dew, fog, or high humidity is expected within 8 hours of application.
 - rain is expected within 24 hours of application
 - if surface is frozen or frost filled
 - If air movement exceeds or is expected to exceed 10 mph (16 kph) during application or within 8 hours of application when applied below 50°F (10°C)
- Not recommended for waterproofing or damp proofing of exterior horizontal surfaces, floors, or below grade interior walls.
 - Do not apply in areas of immersion or where a negative head pressure may exist.
 - Application in direct sunlight or during times of extreme heat may cause wrinkling, pinholes, or blistering.
 - Schedule application for early morning or late afternoon when ambient and substrate temperatures are at their lowest.
 - Do not use strong caustic or solvent based cleaner. For additional data on good coating practice consult SSPC, NACE, or ICRI.
 - Not recommended for waterproofing or damp proofing of exterior horizontal surfaces, floors or below grade interior walls. Iron particles in block, brick or mortar may cause discoloration through the coating
 - Keep from freezing.

STORAGE

Keep from freezing. Store tightly sealed containers in warm, dry area on pallets above 40°F (4°C) and below 95°F (34°C). Shelf life of properly stored material is one year from date of manufacture.

Precautions: WARNING

May be harmful if swallowed. May cause an allergic skin reaction. Causes eye irritation.

Precautionary Statements: Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands and skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

Consult safety data sheet for complete hazard information.

For professional use only
Keep out of reach of children

THIS PRODUCT IS FOR COMMERCIAL USE ONLY – IT IS NOT A CONSUMER PRODUCT.

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