



ChemMasters®

SPECIALTY CONSTRUCTION PRODUCTS

Crystal Clear-A

Low Volatile Organic Compound (V.O.C.);
Highest Gloss;
Sealer & Curing Compound
For Concrete

P R O D U C T D A T A

DESCRIPTION

Crystal Clear-A is a state of the art proprietary formulation which creates the highest gloss possible on concrete. This premium quality, super high gloss, non yellowing, curing and sealing compound coats concrete with a chemically bonded siliconized acrylic film that deepens the color and enhances the look of pigmented or decorative concrete. **Crystal Clear-A** completely resists discoloration from ultraviolet light exposure and keeps its high gloss finish much longer than standard concrete sealers. **Crystal Clear-A** will retard efflorescence while resisting oil, grease and food stains. **Crystal Clear-A** eliminates concrete dusting, while protecting concrete against salt and water penetration.

USES

- Cure freshly poured exterior plain, colored, stamped or exposed aggregate concrete to ASTM 1315 where superior curing efficiency is required.
- Seal, harden, and dustproof existing concrete particularly architectural or residential concrete exposed to freeze-thaw or ultra violet light.
- Enhance the color and gloss of pigmented or stamped concrete.

ADVANTAGES

- **Crystal Clear-A** is much tougher than traditional acrylic sealers. The high gloss created by **Crystal Clear-A** lasts up to 70% longer.
- **Crystal Clear-A** completely resists discoloration from ultraviolet light exposure.
- **Crystal Clear-A** cures concrete to ASTM C1315 standards to minimize cracking and increase the strength of concrete.
- Protects surfaces against deicing chemicals, fertilizers, salts, grease, oil, alkalies, mild acids and detergents.

Packaging Product Number		
5 gal (18.9L)	36 per pallet	F1337.05
55 gal (208L)	4 per pallet	F1337.55

TECHNICAL DATA

- ASTM C1315, Type I Class A, (upon request ID & II) *Standard Specification for Liquid Membrane-Forming Compounds for Curing and Sealing Concrete*
- ASTM C309, Type 1, Class A & B (upon request 1D & 2) *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete*
- AASHTO M-148, Type 1, Class A & B (upon request 1D & 2) *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete.*
- Complies with National V.O.C. Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59 and lower V.O.C. regulations @ < 700 g/L
- Meets USDA requirements for incidental food contact when fully cured
- Version to meet U.S. Army Corps of Engineers CRD-C-300 available upon request.

Physical Properties	
ASTM C156 Moisture Retention	0.035 g/cm ²
PMCC Flash point °F (°C)	1 (-17)
V.O.C. Content	<350 g/L
Drying Time @ 70°F (21°C)	
Tack Free	2 hours
Light foot traffic	8 hours
Maximum hardness	7 days

Yellowing Index 1,000 QUV Exposure, Simulates approximately 10 yrs of Florida Sunlight. Visible yellowing begins at 3.0 Index	
Product	Yellowing E.O.T.
Initial Rating All Products	0
Crystal Clear-A	0
Moisture Cure Urethane	3.0
Pure Acrylic	4.77
Styrene Acrylic	9.48



ChemMasters®

An American Owned & Operated Company

300 EDWARDS STREET • MADISON, OHIO 44057-3112 (440) 428-2105 • FAX (440) 428-7091 • ORDERLINE: (800) 486-7866 www.chemmasters.net

May 2017

Gloss Retention
1,000 hours QUV Exposure
All panels begin with Gloss Rating = 95

Product	Gloss Rating E.O.T.	% of Initial
Crystal Clear-A	89.8	95
Moisture Cure Urethane	79.1	83
Pure Acrylic	73.6	77
Styrene Acrylic	55.4	58

Estimating Guide
Coverage rates vary with concrete condition

	ft ² /gallon	m ² /liter
Curing	300	7
Sealing/dustproof	350	8
Optional 2nd Coat	450	11

Directions for Use

Consult Product Data Sheet at www.chemmasters.net for complete information regarding product performance and usage.

Mixing: Clear **Crystal Clear-A** is packaged ready to use. Do not dilute.

Surface Preparation: If using to cure fresh concrete, apply as soon as all bleed water has dissipated. If applying as a sealer for older concrete, clean thoroughly with high-pressure water and allow the concrete to thoroughly dry.

Application: Apply uniformly leaving no pinholes or gaps. Do not allow the material to puddle.

Spray Apply with a low pressure, solvent resistant, airless, sprayer equipped with a fan nozzle orifice of 0.030 to 0.035" at 1 gpm. The optimum spray pattern is an 8" to 12" fan. Hold sprayer tip 8" to 12" from the surface of the concrete.

Roller Apply: Use a short nap (1/4" max) solvent resistant roller.

Application Rate:

Curing: 300 ft²/gal (7 m²/L)

Sealer: 350 to 450 ft²/gal (9 to 11 m²/L). Unsealed concrete may require an optional second coat.

Clean-up: Clean tools with solvent such as xylene immediately after use.

STORAGE

Store tightly sealed containers in cool, dry area away from direct sunlight and sources of heat.

Shelf life is two years from date of manufacture. Store locked up.

DISPOSAL

Dispose of contents/container in accordance with local, regional, and national regulations.

LIMITATIONS/PRECAUTIONS

- Not for use indoors.
- Strong organic solvents will soften and lift **Crystal Clear-A**
- Do not use at temperatures below 40°F (4°C)
- Do not use where solvent odor may be a problem
- Application will darken concrete
- Uneven application may cause blotchiness
- Shelf life is two years from date of manufacture

PRECAUTIONS: Not for indoor use.

Use outdoors only in a well ventilated area.

Danger: Flammable Liquid and Vapor. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects. **Precautionary Statements:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

All label precautions and Safety Data Sheet must be fully understood before using this product.

Keep out of reach of children.

This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT PRODUCT & SAFETY DATA SHEETS AND PACKAGE LABEL FOR THIS PRODUCT. We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.