



# ChemMasters®

## Certi-Vex® AC1315 HG

30% Solids, High Gloss, Non-Yellowing,  
Solvent-Based Acrylic Cure & Protect  
for Concrete

SPECIALTY CONSTRUCTION PRODUCTS

### P R O D U C T                      D A T A

#### DESCRIPTION

**CERTI-VEX AC1315 HG** is a 30% solids, low-VOC, solvent-based, acrylic cure and protect. The product is design to cure freshly placed concrete to achieve full design strength and durability. It also protects and enhances the appearance of both new and existing exterior concrete, including stamped, decorative, exposed aggregate concrete and architectural horizontal and vertical sections where a clear, high gloss and non-yellowing shine is required.

**Certi-Vex AC 1315 HG** provides protection from the damaging effects of freeze/thaw cycles, deicing chemicals and other contaminants. **Certi-Vex AC1315 HG** features breathable technology which allows moisture vapor to pass through rather than becoming trapped, preventing whitening, peeling and flaking.

#### USES

- Cure fresh exterior concrete where superior curing efficiency and non-yellowing performance are required.
- Protect existing concrete, particularly architectural or residential concrete exposed to freeze/thaw cycles.
- Enhance color and provide uniform appearance of dry shake hardened floors and stamped concrete.

#### ADVANTAGES

- Allows freshly placed exterior concrete to achieve maximum design strength and durability.
- High gloss, high solids formula.
- May be applied to damp surfaces without whitening or loss of adhesion.
- Coated surfaces are easier to clean and maintain.
- Excellent protection against damage caused by exposure to common contaminants
- Reduces efflorescence, scaling and spalling.
- Recoatable

Packaging and Part Number		
5 gallon pail (18.9 L)	36 / pallet	FV1324.05
55 gallon drum (208 L)	4/pallet	FV1324.55

#### 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 VOC regulations @ < 700 g/L
- Meets USDA requirements for incidental food contact when fully cured
- Meets ADA and ASTM D2047 non-slip
- CSI: 03 35 00 & 03 39 00

Estimating Guide coverage rates vary with concrete condition		
Condition	ft <sup>2</sup> /gallon	m <sup>2</sup> /liter
Porous Concrete	250 to 300	6.2 to 7.5
Non-Porous Concrete	400 to 500	10.0 to 12.5
Optional 2nd coat	400 to 500	10.0 to 12.5

**Note:** Increased absorptivity may require a second coat on porous substrates.

Physical Properties	
Solids	30%
VOC content	<700 g/L
Flash Point closed cup	106°F (41°C)

Drying Time @ 70°F (21°C) with 50% R.H.	
Dry to _ condition	Hours
To touch	0.75
For Light foot traffic	24
For heavy traffic	72



ChemMasters®

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## DIRECTIONS

**Mixing:** Do not dilute. **Certi-Vex AC1315 HG** is packaged ready to use. Gently stir or agitate prior to use.

**Surface Preparation:** If using to cure fresh concrete, apply within two hours of bleed water dissipation when application will not mar the surface.

If applying to protect older concrete, clean thoroughly with high-pressure water and allow the concrete to thoroughly dry. Surface must be clean and free from dirt, dust, laitance, oil, grease, paints, curing agents, tilt up bond breakers, or other contaminants that would prevent proper adhesion. Joints to receive joint sealant should be masked or taped off prior to application.

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

**Spray Apply:** Use a low pressure, solvent resistant, airless sprayer equipped with a fan nozzle orifice of 0.030 to 0.035" at 1 gpm or a solvent resistant hand pressurized sprayer with a 'Cats Eye' nozzle (minimum orifice of 0.032"). The optimum spray pattern is an 8 to 12 inch fan. Hold sprayer tip 8 to 12 inches from the surface of the concrete.

**Roller Apply:** Use a short nap (1/4" max) solvent resistant roller. An optional second coat may be applied to a tack free surface at right angles to the first. Coating breathability will be reduced as film thickness increases. Thinner coats have improved aesthetic qualities.

## CLEANUP

Clean tools immediately after use with **ChemMasters Coating Repair Solvent, Xylene** or xylol.

## STORAGE

Store tightly sealed containers in a cool dry area away from direct sunlight and sources of heat or ignition. Shelf life is three years from date of manufacture.

## LIMITATIONS

- For outdoor use only.
- Do not apply to joints or channels scheduled to receive elastomeric caulks.
- Do not use on surfaces to receive concrete overlays or toppings. Always test for compatibility and adhesion.
- Do not use as a bond breaker for tilt wall construction or on surfaces requiring rubbing.
- Do not apply to floors subjected to spills of gasoline or other strong organic solvents such as xylene, toluene, or lacquer thinner. Solvent, gasoline, hydraulic fluids, peanut oil, and cooking oils must be cleaned quickly to prevent softening of the membrane.
- Do not apply in the presence of foodstuffs. USDA approval pertains to fully cured material.
- Over application or applying in high temperatures may result in the formation of bubbles.

- Do not use if ambient or substrate temperature is below 40°F (4°C). For best results condition material to a minimum of 50°F (10°C) prior to application
- Quality curing or sealing compounds and floor treatments may darken or highlight the subtle color variations naturally present in concrete. When the difference in shading is objectionable consult ChemMasters Technical Department prior to concrete placement

## PRECAUTIONS

**For outdoors only. Not for indoor use.**

**WARNING:** Combustible Liquid. May be harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

**Precautionary Statements:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**For professional use only.**

**Keep out of reach of children.**

**See the safety data sheet for hazard information**

### 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 MATERIAL SAFETY DATA SHEET 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.