



ChemMasters®

SPECIALTY CONSTRUCTION PRODUCTS

Certi-Vex® Guard Clear AIM

25% Solids, Low-VOC, Solvent-Based, High Gloss, Non-Yellowing, One Step Acrylic Cure & Protect with Penetrating Silane for Concrete

P R O D U C T D A T A

DESCRIPTION

Certi-Vex Guard Clear AIM is an innovative, low-VOC, solvent-based, high gloss, one step acrylic cure and protect with a penetrating silane for use on both new and existing broom finish and decorative concrete. The non-yellowing, film forming acrylic cures new concrete to ASTM C1315 specifications, while penetrating silane reacts within pores and capillaries to form a hydrophobic gel, protecting the concrete from the damaging effects of freeze/thaw cycles, deicing chemicals and chloride penetration.

This innovative one-step product eliminates the costly removal of curing compounds and time-consuming water curing of new concrete when a protective penetrating silane is desired. Once applied, the surface is properly cured and protected in one application, putting concrete into service weeks sooner than conventional methods.

USES

- Recommended for use on both broom finish and decorative exterior concrete
- New and existing horizontal and vertical concrete
- All types of concrete flatwork, driveways, plazas, patios, walkways and loading docks
- Long-term protection of both new and existing exterior concrete from damage caused by freeze/thaw cycles and deicing chemicals
- For commercial and residential applications

ADVANTAGES

- Eliminates the 28 day, 3-step process to provide silane protection to newly placed concrete.
- Long term protection of both new and existing exterior concrete from damage caused by freeze/thaw cycles and deicing chemicals.
- Allows freshly placed concrete to achieve its maximum design strength and durability.
- Non-yellowing and may be used on decorative and stamped concrete finishes.
- Reduces labor costs putting concrete into service weeks sooner than conventional methods.

Packaging and Part Number		
5 gallon pail (18.9 L)	36 / pallet	FV1331.05
55 gallon drum (208 L)	4/pallet	FV1331.55

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 @ < 350 g/L
- Meets USDA requirements for incidental food contact when fully cured
- CSI: 03 35 00, 03 39 00 & 07 17 13

Estimating Guide		
coverage rates vary with concrete condition		
Condition	ft ² /gallon	m ² /liter
New Concrete	150 to 300	3.7 to 7.4
Existing Concrete	250 to 300	6.1 to 7.4
Optional 2nd coat	400 to 500	9.8 to 12.3

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

Drying Time @ 70°F (21°C) with 50% R.H.	
To Touch	<1 hr
Light Foot Traffic	8 hrs
Heavy Traffic	12 hrs

Test Data	
VOC Content	<350g/L
Solids	25%
Flash Point	108°F (42°C)
Depth of Penetration	0.17 to 0.23 in.
ASTM C642 - Water Absorption Reduction in Hardened Concrete	89%



ChemMasters®

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

Oct 2023

DIRECTIONS:

Mixing: Certi-Vex Guard Clear AIM is packaged ready to use. Do not dilute.

Surface Preparation: If using to cure fresh decorative concrete, apply within two hours of bleed water dissipation when application will not mar the surface, or when final decorative finish has been applied.

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. Extremely dense surfaces such as burnished trowel finished floors may be given a light acid wash to promote adequate penetration

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.

Cleanup

Clean tools and equipment with **ChemMasters Coating**

Repair, xylene or mineral spirits before material dries.

STORAGE

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

LIMITATIONS.

- For outdoor use only.
- Do not use as a bond breaker for tilt wall construction or on surfaces requiring rubbing.
- Do not apply to joints or channels scheduled to receive elastomeric caulks.
- Do not apply in rain or when rain is expected within 4 hours before or after application.
- Protect plant life and landscaping from overspray.
- 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 compounds 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

- **Certi-Vex Guard Clear AIM** is not a waterproofing membrane and thus cannot be expected to bridge cracks or joints in the concrete.
- Coating may be softened and lifted by 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 damage.
- Proper application is the responsibility of the user. ChemMasters can only make technical recommendations and cannot provide quality control on the jobsite.

PRECAUTIONS

Danger. Highly Flammable Liquid and Vapor. Suspected of Causing Cancer. Toxic to aquatic life with long lasting effects. May be harmful if swallowed. May be harmful if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May be harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary Statements: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond the 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/vapours/spray. Wash hands and skin thoroughly after handling. 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.

**For professional use only.
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 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.