



# ChemMasters

## SAFE-CURE & SEAL PLUS

HIGH SOLIDS, WATER BASED  
CURING AND SEALING COMPOUND

SPECIALTY CONSTRUCTION PRODUCTS



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

#### DESCRIPTION

Safe-Cure & Seal Plus is a V.O.C. compliant, styrene acrylate, membrane forming curing and sealing compound for concrete. Treated surfaces display a high gloss appearance with good resistance to discoloration from ultraviolet light and are protected from intrusion of water borne contaminants and dirt.

#### USES

- Interior and exterior, horizontal or vertical concrete surfaces
- Industrial, commercial or residential structures
- Dustproofing older concrete surfaces
- Slabs-on-grade, parking lots, driveways, walkways, patios
- Formed walls and stairwells, basement floors

#### ADVANTAGES

- Allows concrete surface to develop full design strength by promoting complete hydration during curing process
- Forms a tough, continuous film for increased abrasion resistance
- Increases resistance to deicers, salts and mild chemicals by filling pores with clear, durable acrylic
- Reduces maintenance costs, surfaces are easier to clean
- V.O.C. compliant, virtually no odor when applying
- Sprays on white for observing coverage, dries to a clear, durable film

#### TECHNICAL DATA

- ASTM C-1315, Type I & II, Class A, *Standard Specification For Liquid Membrane-Forming Compounds for Curing and Sealing Concrete*
- Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59

- ASTM C-309, Type 1, Class A or B, *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete*

- Federal Specification TT-C-0800A Requirements (specification officially replaced by ASTM C 309 in 1994)

Drying Time @ 70°F./21°C. with 50% R.H.

Dry to Touch	1 hour
Light Traffic	8 hours
Heavy Traffic	12 hours

Solids 30%

V.O.C. Content 310 gm/L

Flash Point None

#### ESTIMATING GUIDE

Coverage rates vary with the condition of the concrete surface.

Curing	300 Ft. <sup>2</sup> /gal	7 M <sup>2</sup> /L
Sealing/Dustproofing	400 Ft. <sup>2</sup> /gal	10 M <sup>2</sup> /L
Optional second coat	400 Ft. <sup>2</sup> /gal	10 M <sup>2</sup> /L

#### PACKAGING

Safe-Cure & Seal Plus is packaged in 55 U.S. gallon /208 Liter drums and 5 gallon/18.9 Liter pails, shipped 36 pails per pallet, shrink wrapped.

#### APPLICATION

Mixing: Do not dilute. Safe-Cure & Seal Plus is packaged ready to use and only requires stirring or agitation prior to use.

Application: Use a short nap roller or low pressure, airless sprayer equipped with a fan tip. Hold sprayer tip 6-8"/15-20 cm from the surface of the concrete. Apply uniformly leaving no pinholes or gaps but avoid over applying or puddles.

Curing: Apply Safe-Cure & Seal Plus after all bleed water has dissipated and application will not mar surface. Optional second coat should be applied at right angles to first coat. Second coat will enhance the surface gloss and provide additional protection from deicing chemicals, oils and greases.



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Formed Concrete Walls: If walls are not to receive further treatment, apply immediately after stripping forms or following rubbing operations.

Older Concrete: Clean thoroughly with detergent and high pressure water, removing any dirt, dust, curing or sealing membranes, paints, oil, grease or other contaminants that may prevent adhesion of the Safe-Cure & Seal Plus.

Safe-Cure & Seal Plus normally dries in 1 hour at 70°F./21°C. Surfaces may be opened to foot traffic in 8 hours and vehicular traffic in 12 hours. Extremely low temperatures or high relative humidity may slow drying process.

#### **CLEANUP**

Clean tools and equipment with warm water and detergent.

#### **LIMITATIONS**

- Do not apply if surface or ambient temperature is below 40°F./4°C. Product should be conditioned to 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 caused by absorptive deviation or finishing techniques is objectionable, consult ChemMasters technical staff prior to concrete placement for recommendations.

- Although Safe-Cure & Seal Plus is compatible with a number of resilient floor covering adhesives, it is not for use on surfaces scheduled to receive concrete overlays or other such toppings. Consult ChemMasters Technical Service department for compatibility with other surface treatments.
- Safe-Cure & Seal Plus is not to be used as a bond breaker for tilt-up construction.
- Safe-Cure & Seal Plus is VOC compliant but not solvent free. When no solvent odor is desired, use Safe-Cure & Seal 20, a non-solvent acrylic curing and sealing compound.
- Do not use in the presence of foodstuffs or in areas designated for food storage. Use ChemMasters SafeSeal as an alternate.

#### **STORAGE**

Store tightly closed containers in warm area. Do not allow to freeze. Shelf life of properly stored material is one year from date of manufacture.

#### **CAUTIONS**

May cause skin, eye and respiratory tract irritation. Do not take internally. Keep out of the reach of children.

All label precautions and MSDS must be fully understood before using this product.

#### ***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.*