



# ChemMasters

SPECIALTY CONSTRUCTION PRODUCTS

# SAFE-CURE™ 1200 06-012

ILLINOIS DOT APPROVED, WHITE PIGMENTED  
CONCRETE CURING COMPOUND

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

### DESCRIPTION

**Safe-Cure 1200 06-012** is a water-based, white pigmented, wax emulsion concrete curing compound specifically formulated to meet the stringent standards of the Illinois Department of Transportation. When applied to fresh concrete, **Safe-Cure 1200 06-012** creates a film over the concrete which retains water for full cement hydration, allowing the concrete to achieve higher ultimate strength while reducing surface shrinkage cracks. The white pigmentation keeps the concrete cool to further ensure the best performance of the concrete's mix design.

### USES

- **Safe-Cure 1200 06-012** is used to cure any exterior concrete where the curing compound must meet Illinois DOT standards as defined under section 1022 for a type II curing compound. Applications include pavement, curbing and median barriers.

### ADVANTAGES

- Illinois D.O.T. approved
- Stable emulsion to allow for reduced length and frequency of agitation
- Excellent moisture retention - consistently surpasses the requirements of ASTM C 309
- White pigments reflect heat in hot weather and act as a gauge of proper application rate
- Superior spraying characteristics for economical application and reduced labor cost

### ESTIMATING GUIDE

Coverage is dependent on surface texture and porosity.

Curing                      200 ft<sup>2</sup>/Gallon                      5 m<sup>2</sup>/Liter

### PACKAGING

**Safe-Cure 1200 06-012** is packaged in 5 gallon (18.9 liter) pails, shipped 36 per pallet, 55 gallon (208 liter) drums, 275 gallon (1040 liter) totes and bulk tanker loads containing up to 5,500 gallons (20,790 liters). ChemMasters also offers storage tanks for customers to use on large projects or at customer locations.

### TECHNICAL DATA

- ASTM C-309, Types II, Class A, *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete*
- AASHTO M-148, Type II, Class A
- Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59
- Army Corps of Engineers CRD-C-300 Available Upon Request
- Less than .00023 grams of moisture loss per square mm in 72 hours and less than .00047 grams loss in 7 days.

V.O.C. Content:	30 g/L
Color	Dries White
Solids:	25 %
Light Reflectance	> 60%
Flash Point:	NONE
Weight:	8.42 lbs./gal    1 kg/L

### APPLICATION

**MIXING:** Do not dilute. Stir or agitate **Safe-Cure 1200 06-012** before using to disperse pigments and solids uniformly. If using a pump to recirculate **Safe-Cure 1200 06-012**, it is recommended that an air diaphragm pump be used. If using a centrifugal pump, mix only long enough to make the **Safe-Cure 1200 06-012** homogeneous. Do not over mix as this may cause foaming and may damage the curing compound.

**APPLICATION:** Use a low pressure, airless sprayer equipped with a fan tip or a short napped roller to apply. Hold sprayer tip 6-8 inches (15-20 cm) from the surface of concrete. Apply uniformly leaving no pinholes or gaps but avoid over applying or puddles.

**CURING:** Apply **Safe-Cure 1200 06-012** after all bleed water has dissipated and application will not mar surface.

**DRYING TIME:** **Safe-Cure 1200 06-012** dries to the touch in one hour and will thoroughly dry in less than 4 hours at 70°F



## ChemMasters

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Revised: June 2014

(21°C) at 50% relative humidity. Cooler temperatures or high relative humidity may slow drying process.

#### **CLEAN-UP**

Clean tools and equipment used in applying **Safe-Cure 1200 06-012** with warm water and detergent.

#### **LIMITATIONS**

- **Safe-Cure 1200 06-012** is not recommended for interior use nor where appearance is important.
- 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.
- Do not use **Safe-Cure 1200 06-012** as a bond breaker for tilt-up construction.

#### **STORAGE**

Store in tightly closed containers in warm area, between 50° to 100°F (10° to 38°C). Do not allow to freeze. Shelf life of properly stored material is one year from date of manufacture.

#### **CAUTIONS**

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

All label precautions and the SDS 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.*