



# ChemMasters

## SAFE-CURE & SEAL 20

WATER BASED, ECONOMICAL  
CURING AND SEALING COMPOUND

SPECIALTY CONSTRUCTION PRODUCTS

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

#### DESCRIPTION

Safe-Cure & Seal 20 is a water emulsion, styrene acrylate copolymer curing and sealing compound for concrete. Safe-Cure & Seal 20 is low odor and produces a medium gloss continuous film which cures concrete to ASTM C309 standards and protects concrete surfaces from intrusion of water borne contaminants and dirt.

#### USES

- Effectively curing any fresh concrete, interior or exterior, horizontal or vertical. Effect curing enables concrete to reach its design strength, while minimizing drying shrinkage cracking
- After curing is complete, the durable Safe-Cure & Seal 20 film will continue to protect the concrete from salt and water penetration
- Sealing and dustproofing any older concrete surface

#### ADVANTAGES

- Allows concrete surface to develop full design strength by promoting complete hydration during curing process
- Seals concrete surfaces with a tough film, increasing abrasion resistance of the floor
- Increases resistance to deicers, salts and other mild chemicals by filling concrete pores with clear, durable acrylic
- Reduces maintenance costs, surfaces are easier to clean
- Low odor so that curing and sealing of interior concrete can be accomplished without respirators, fans or health concerns
- More cost effective than solvent based cure & seal systems
- Water clean up
- Milky white appearance during application aids in gauging coverage, dries clear

#### TECHNICAL DATA

- ASTM C-309, Type I and ID, Class A & B
- AASHTO M-148, Type 1 & 1D, Class A & B

- Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59

- USDA approved, when cured, for incidental contact

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

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

V.O.C. Content 310 gm/L

Flash Point: 105° F.(40°C.)

Specific Gravity (H<sub>2</sub>O=1) 1.01

#### PACKAGING

Safe-Cure & Seal 20 is packaged in 55 U.S. gallon drums and 5 gallon pails.

#### ESTIMATING GUIDE

Coverage rates vary with the condition of the concrete surface.

Curing & Sealing New Concrete

200 Ft.<sup>2</sup>/gal 5 M<sup>2</sup>/L

Sealing and Dustproofing Older Concrete

200-400 Ft.<sup>2</sup>/gal 5-10 M<sup>2</sup>/L

#### APPLICATION

Mixing: Do not dilute. Safe-Cure & Seal 20 is packaged ready to use and only requires stirring or agitation prior to use.

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

Curing: Apply Safe-Cure & Seal 20 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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### ChemMasters

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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 to removing any dirt, dust, curing or sealing membranes, paints, oil, grease or other contaminants that may prevent adhesion of the Safe-Cure & Seal 20.

Safe-Cure & Seal 20 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**

Equipment used in applying Safe-Cure & Seal 20 may be cleaned with soap and cool water prior to drying.

#### **LIMITATIONS**

- Although Safe-Cure & Seal 20 is compatible with most resilient floor covering adhesives, it is not for use on surfaces to receive concrete overlays or other such toppings. Consult ChemMasters Technical Service department for compatibility with other surface treatments.
- Safe-Cure & Seal 20 is not to be used as a bond breaker on tilt-wall construction.
- Do not apply Safe-Cure & Seal 20 to floors subjected to spills of gasoline or other solvent spills. Spills of solvents must be cleaned quickly to prevent softening of the membrane. Consult ChemMasters for alternate product recommendations.
- Do not use if ambient or surface temperature is below 40°F./4°C. For best results, warm material to a minimum of 50°F./10°C. prior to application.
- Quality curing & 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.

#### **STORAGE**

Store tightly closed containers in warm area. Protect from freezing. Shelf life is one year from date of manufacture

#### **CAUTIONS**

May cause skin, eye and respiratory tract irritation. Keep out of 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.*