



ChemMasters

SPRAY-CURE & SEAL 25

ACRYLIC CURING AND SEALING COMPOUND
FOR CONCRETE

SPECIALTY CONSTRUCTION PRODUCTS

P R O D U C T D A T A

DESCRIPTION

Spray-Cure & Seal 25 is a styrene acrylate copolymer, membrane forming curing and sealing compound for concrete. It produces a medium gloss, clear, continuous film which effectively cures fresh concrete and protects concrete surfaces from intrusion of water, water borne contaminants and dirt.

USES

- Use on fresh concrete, interior or exterior concrete to cure the concrete. Curing minimizes crazing and shrinkage cracks. Spray-Cure & Seal 25 holds moisture in the fresh concrete more effectively than regularly curing compounds to help the cement to fully hydrate. This process helps to maximize the strength and durability of the concrete.
- Use to seal interior or exterior hardened concrete. When applied as a sealer, Spray-Cure & Seal 25 protects the concrete from water, deicers, salts and other mild chemicals. Spray-Cure & Seal 25 develops a clear, durable acrylic film which tenaciously bonds to the concrete surface.
- Spray-Cure & Seal 25 prevents concrete from dusting and simplifies the cleaning process by preventing dirt from penetrating the concrete.

ADVANTAGES

- Allows concrete surface to develop full design strength by promoting complete hydration of cement
- Increases the abrasion resistance of concrete
- Protects concrete from deicers, salts and other mild chemicals
- Reduces maintenance costs. Surfaces are easier to clean
- Compatible with most adhesives for resilient carpet and tile

APPLICABLE STANDARDS

- ASTM C-1315, Type I & II, Class A, *Standard Specification for Liquid Membrane-Forming Compounds for Curing and Sealing Concrete*
- ASTM C-309, Type I, ID & II, Class A & B, *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete*
- 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
- May be ordered with red fugitive to meet federal and state specifications.

TECHNICAL DATA

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

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

Solids: 25%

V.O.C. content: 680 gm/L

Flash Point: 105° F. 40°C.

ESTIMATING GUIDE

Coverage rates vary with the condition of the concrete surface.

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

PACKAGING

Spray-Cure & Seal 25 is packaged in 55 U.S. gallon drums and 5 gallon pails. 36 pails are shipped on a pallet.

APPLICATION

MIXING: Do not dilute. Spray-Cure & Seal 25 is packaged ready to use and only requires stirring or agitation prior to use.



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APPLICATION: Apply Spray-Cure & Seal 25 with a short nap, solvent resistant roller; a low pressure, solvent resistant airless sprayer equipped with a fan nozzle (minimum orifice of .030-.032); or a hand pressurized sprayer with a "Cats Eye" nozzle (minimum orifice of .010-.012). The optimum spray pattern is an 8-12 inch fan. Hold sprayer tip 6-8 inches from the surface of the concrete. Apply uniformly leaving no pinholes or gaps. Do not allow the material to puddle.

When using a hand pressurized sprayer it is important to maintain as high an air pressure as possible to aid in spraying.

CURING: When applying Spray-Cure & Seal 25 to fresh concrete, apply after all bleed water has dissipated and application will not mar surface. An optional second coat should be applied at right angles to first coat. A second coat will enhance the surface gloss and provide additional protection from deicing chemicals, oils and greases.

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 Spray-Cure & Seal 25.

DRYING TIME: Spray-Cure & Seal 25 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

Tools and equipment used in applying Spray-Cure & Seal 25 should be cleaned with Polyseal Solvent™ or xylene.

STORAGE

Store tightly closed containers away from direct sunlight and sources of heat or flame. Shelf life is one year from date of manufacture

CAUTIONS

COMBUSTIBLE LIQUID: Keep away from heat or open flame. Use with adequate ventilation. 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.

LIMITATIONS

- Although Spray-Cure & Seal 25 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.
- Do not use as a bond breaker for tilt wall construction.
- Do not apply Spray-Cure & Seal 25 to floors subjected to spills of gasoline or other solvent spills. Solvent spills must be cleaned quickly to prevent softening of the membrane. Consult ChemMasters for alternate product recommendations.
- When used on interior surfaces, provide adequate ventilation until Spray-Cure & Seal 25 has dried completely.
- Do not use in the presence of foodstuffs or in areas designated for food storage. Use ChemMasters Safe-Cure & Seal 20 as an alternate.
- Do not use if material is below 70°F./21°C. At colder temperature the material becomes more viscous and therefore significantly more difficult to spray. Warming product prior to application improves its sprayability.
- Applying material when it is cold may cause formation of bubbles due to entrapped air migrating upward from the concrete pores.
- Quality curing or sealing compounds 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.
- Continuous or long term exposure to ultra violet light will cause the film to yellow. If yellowing must be prevented, use Polyseal as an alternative to Spray-Cure & Seal 25.

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.