



ChemMasters

SPRAY-CURE & SEAL PLUS

HIGH SOLIDS, HIGH PERFORMANCE
CURING AND SEALING COMPOUND



SPECIALTY CONSTRUCTION PRODUCTS

P R O D U C T D A T A

DESCRIPTION

Spray-Cure & Seal Plus is a high solids, high performance, acrylic polymer curing and sealing compound for concrete. It provides superior moisture retention at extended application rates when used as a cure while forming a durable, glossy membrane for improved appearance.

USES

- Exterior and interior, horizontal or vertical concrete surfaces
- Formed and poured structures, slabs on grade, precast or prestressed members
- Cure, seal and harden freshly poured concrete; seal and dustproof older concrete surfaces
- Residential, commercial and industrial applications
- Parking structures, driveways, patios, walkways
- Manufacturing, assembly and warehouse facilities
- Curing and sealing hard steel trowelled and dry shake hardened floors

ADVANTAGES

- Excellent moisture retention insures optimum concrete design strength is obtained
- Forms a durable, abrasion resistant, high gloss membrane for reduced maintenance costs
- Minimizes spalling and dusting due to freeze/thaw cycling, deicing chemicals, fertilizers, alkalies and detergents
- Seals out most construction dirt and stains, prevents mortar, plaster and concrete droppings from bonding to concrete surfaces

TECHNICAL DATA

- 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
- U.S.D.A. approved, when fully cured, for incidental contact in meat and poultry plants

Solids:	30%
V.O.C. content:	640 gm/L
Flash point:	>105°F. 40°C.
Drying time @ 70°F./21°C. with 50% relative humidity	
Dry to Touch	1 hour
Foot Traffic	8 hours
Wheeled Traffic	12 hours

PACKAGING

Spray-Cure & Seal Plus is packaged in 5 U.S. gallon/18.9 liter metal pails, shipped 36 per pallet shrink wrapped and 55 U.S. gallon/208 liter drums, shipped 4 per pallet.

ESTIMATING GUIDE

Coverage is dependent upon surface texture and porosity.

	Ft. ² /gal	M ² /L
Curing	300-400	7-10
Sealing/Dustproofing	300-400	7-10
Optional second coat	400-600	7-15

DIRECTIONS

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



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APPLICATION: Use a short nap roller or a low pressure, solvent resistant airless sprayer equipped with a fan nozzle with a minimum orifice of .030-.032. Hold sprayer tip 6-8 in./15-20 cm from the surface of the concrete. Apply uniformly leaving no pinholes or gaps.

CURING: Apply Spray-Cure & Seal Plus after all bleed water has dissipated and application will not mar surface. The optional second coat is applied at right angles to first coat enhancing moisture retention while providing 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 after rubbing procedures at a rate of 450 Ft.²/gal—11 M²/L.

IN-PLACE CONCRETE: Clean thoroughly with detergent and high pressure water removing any dirt, dust, curing or sealing membranes, paints, oil, grease or other contaminants that prevent adhesion.

CLEANUP

Clean tools immediately after use with Polyseal Solvent™ or xylene.

STORAGE

Store tightly sealed containers in cool, dry area away from direct sunlight and sources of heat. Shelf life is one year from date of manufacture.

LIMITATIONS

- Do not use on surfaces to receive concrete overlays or toppings. Consult ChemMasters for compatibility of other surface treatments. Always test for compatibility, penetration and adhesion.

- Do not use as a bond breaker for tilt wall construction or on surfaces requiring rubbing.
- Strong organic solvents, xylene, toluene, lacquer thinner, will lift Spray-Cure & Seal Plus membrane. Gasoline, hydraulic fluids, peanut oil and cooking oils soften and lift sealer if spills are not removed quickly.
- Do not apply in the presence of foodstuffs. U.S.D.A. approval pertains to fully cured material only.
- Do not apply to joints or channels scheduled to receive elastomeric caulks.
- Do not use if ambient or surface temperature is below 40°F./4°C. For best results, condition material 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.

CAUTION

COMBUSTIBLE LIQUID: Keep away from heat or open flames. Use with adequate ventilation. May cause skin, eye and respiratory tract irritation. Do not take internally.

All label directions and the Material Safety Data Sheet must be understood before beginning application procedure.

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.