



ChemMasters®

SPECIALTY CONSTRUCTION PRODUCTS

Spray-Cure™ & Seal 25

25% Solids, Solvent-Based,
Non-Yellowing, Acrylic Cure & Protect
for Concrete

P R O D U C T D A T A

Description

Spray-Cure & Seal 25 is a 25% solids, solvent-based, acrylic cure and protect for broom finish concrete. It produces a non-yellowing, medium gloss, continuous film which effectively cures fresh concrete and protects concrete surfaces from freeze/thaw cycles, deicing chemicals and other contaminants.

USES

- Cure freshly placed exterior concrete to minimize crazing and shrinkage cracks. **Spray-Cure & Seal 25** holds moisture in the fresh concrete more effectively than other curing compounds to help the cement fully hydrate. This process allows the concrete to achieve its full design strength and durability.
- Use to protect hardened concrete from freeze/thaw cycles, deicing chemicals, salts and other mild chemicals.
- Protects fresh concrete from dusting and simplifies the cleaning process by preventing dirt from penetrating the concrete.

ADVANTAGES

- Non-yellowing formula.
- Allows concrete surfaces to develop full design strength by promoting complete hydration of cement.
- Can be used in colder temperatures than Volatile Organic Compound (V.O.C.) compliant water-based products.
- Less likely to clog spray equipment than water-based products.
- Develops higher, deeper gloss than water-based products.
- Can be used over other acrylic cures with minimal surface preparation.
- Increases the abrasion resistance of fresh 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.

TECHNICAL DATA

- ASTM C1315, Type I Class A, (upon request ID & II) *Standard Specification for Liquid Membrane-Forming Compounds for Curing and Sealing Concrete*
- ASTM C309, Type 1, Class A & B (upon request 1D & 2) *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete*
- Complies with National Volatile Organic Compound (V.O.C.) Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59 and lower V.O.C. regulations @ < 700 g/L

Physical Properties

PMCC Flash point °F (°C)	105 (40)
V.O.C. Content	<700 g/L
Solids	25%
Drying Time @ 70°F (21°C)	
Dry to touch	1 hour
Light foot traffic	8 hours
Heavy Traffic	12 hours

Estimating Guide

Coverage rates vary with concrete condition

	ft ² /gallon	m ² /liter
Cure Fresh Concrete	300	7
Protect Existing Concrete	350 to 450	8.6 to 11
Optional 2nd Coat	450	11

DIRECTIONS

Mixing: Do not dilute. **Spray-Cure & Seal 25** is packaged ready to use. Gently stir or agitate prior to use.

Surface Preparation: If using to cure fresh concrete, apply when application will not mar the surface within two hours of bleed water dissipation. If applying to protect older concrete, clean thoroughly with high-pressure water and allow the concrete to thoroughly dry. Surface must be clean and free from dirt, dust, laitance, oil, grease, paints, curing agents, tilt up bond breakers, or other contaminants that would prevent proper adhesion. Joints to receive joint sealant should be masked or taped off prior to application.

Packaging Product Number

5 gal (18.9L)	36 per pallet	F1305.05
55 gal (208L)	4 per pallet	F1305.55



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Directions Cont'd:

Application: Apply uniformly leaving no pinholes or gaps. Do not allow the material to puddle.

Spray Apply: Use a low pressure, solvent resistant, airless sprayer equipped with a fan nozzle or solvent resistant hand pressurized sprayer with a 'Cats Eye' nozzle with an orifice of 0.030 to 0.035" at 1 g.p.m. The optimum spray pattern is an 8 to 12 inch fan. Hold sprayer tip 8 to 12 inches from the surface of the concrete.

Roller Apply: Use a short nap (1/4" max) solvent resistant roller.

An optional second coat may be applied to a tack free surface at right angles to the first. Coating breathability will be reduced as film thickness increases. Thinner coats have improved aesthetic qualities.

CLEANUP

Clean tools immediately after use with **Coating Repair Solvent**, xylol or xylene.

STORAGE

Store tightly sealed containers in cool, dry area away from direct sunlight and sources of heat.

Shelf life is three years from date of manufacture. Store locked up.

LIMITATIONS

- For exterior use only.
- Compatible with most adhesives for resilient carpet and tile. Always test for compatibility and adhesion.
- Do not use as a bond breaker for tilt wall construction or on surfaces requiring rubbing.
- Do not apply to joints or channels scheduled to receive elastomeric caulks.
- Do not use if ambient or substrate temperature is below 40°F (4°C). For best results condition material to a minimum of 50°F (10°C) prior to application.
- Do not apply in the presence of foodstuffs. USDA compliance pertains to fully cured coating.
- Coating may be softened and lifted by gasoline or other strong organic solvents such as xylene, toluene, or lacquer thinner. Solvent, gasoline, hydraulic fluids, peanut oil, and cooking oils must be cleaned quickly to prevent damage.
- Safety Data Sheet and all label precautions must be fully understood before using product.
- Quality curing compounds may darken or highlight the color variations naturally pre-sent in concrete.

PRECAUTIONS: Not for indoor use.

Use outdoors only in a well ventilated area.

Danger: Flammable Liquid and Vapour. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects. **Precautionary Statements:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

All label precautions and Safety Data Sheet must be fully understood before using this product.

**Keep out of reach of children.
For professional use only.**

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 PRODUCT & SAFETY DATA SHEETS 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.