TECHNICAL DATA SHEET

SC CURE 500®

Concrete Curing Compound/Densifier

DESCRIPTION

SC Cure 500® is a leading-edge, lithium concrete curing compound/densifier developed to cure and densify hard-troweled concrete. SC Cure 500® penetrates and forms a temporary membrane to cure, densify, harden and dustproof concrete, essential for proper strength development.

SC Cure 500® is compatible with all SpecChem tilt-up bond breakers and may contribute to LEED credits. SC Cure 500® meets the moisture retention of ASTM C309, Type 1D, Class B on hard-troweled concrete surfaces.

BENEFITS

- Cost-effective alternative to water cure or resin-based curing compounds
- Compatible with integrally colored concrete
- Non-yellowing; will not stain or alter the natural color of concrete
- Any excess cure membrane is easily removed
- Non-flammable, USDA accepted and odorless
- Will not inhibit adhesion of secondary coatings, toppings or adhesives designed for concrete
- Subsequent treatments can be applied in 3–7 days
- Contains 0 g/L VOCs
- Certified for use to cure potable water structures

APPLICATION

Place concrete, finish, cut control joints and thoroughly remove all saw-cutting residue before application.

Spray apply in a fine mist and immediately spread with a microfiber applicator pad. Keep the floor wet for approximately 5 minutes. Over-application and puddling may leave a clear-milky membrane, which can be removed with a stiff broom or screen, or by flushing the surface with water and scrubbing. Spraying and spreading with an applicator pad provides superior results. Application temperatures: 40 °F to 90 °F.

COMPLIANCE/STANDARDS

- Meets the moisture retention of ASTM C309, Type 1D, Class B on hard-troweled concrete surfaces
- USDA accepted for indirect food contact

COVERAGE

Curing, sealing, hardening and dustproofing:

Application	sq ft/gal	m^2/L
Hard-troweled finish	500–600	12.3–14.7
Broom or float finish	300–400	7.4–9.8
Vertical surface	400–500	9.8–12.3

Extend the application rate to 800–1,000 sq ft/gal on extremely hard-troweled, burnished concrete floors (e.g., Walmart and Kohl's projects). The above rates are approximate. Exact coverage depends upon the porosity of the concrete as well as the job requirements.

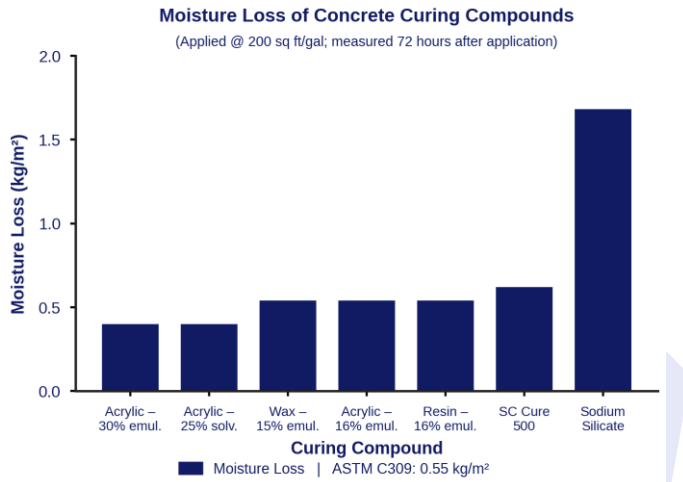
TECHNICAL DATA INFORMATION

Specific gravity 1.03
Active content 7%
VOC content ..... 0 g/L
Freeze point ..... 32 °F

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MOISTURE RETENTION



PACKAGING

55-gallon drums (208 L)

5-gallon pails (18.9 L)

SHELF LIFE

Shelf life of SC Cure 500® in the original, tightly closed containers is two years from the date of manufacture. Do not allow accumulation of water, dirt or other contaminants.

LIMITATIONS

Protect from freezing. Allow new concrete to cure 28 days prior to application of any paint or coating. The coating/adhesive manufacturer's surface preparation instructions must be followed to achieve proper adhesion.

Avoid contact with glass, aluminum or other glazed or finished surfaces. Where contact has occurred, immediately wipe with a damp cloth or flush with water.

PRECAUTIONS

INDUSTRIAL USE ONLY

AVOID PROLONGED CONTACT WITH SKIN

PROTECT FROM FREEZING

Additional precautions, safety information and first aid are contained in the Safety Data Sheet (SDS).

WARRANTY

NOTICE – READ CAREFULLY

CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.

Revised 09/30/26

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