

CURE3D

DISSIPATING CONCRETE CURING COMPOUND

SINAK CURE3D is a liquid membrane forming dissipating concrete curing compound used to cure, densify, harden, and dustproof freshly placed concrete. CURE3D forms a durable, temporary membrane for enhanced moisture retention and improved hydration, elimination of slab curl and improved abrasion resistance. CURE3D is recommended for vertical, horizontal, interior, and exterior concrete.

The temporary membrane of CURE3D dissipates after 72 hours and does not require UV, foot traffic, or mechanical abrasion for removal. CURE3D's ability to consistently control moisture loss for the first critical 72 hours of concrete placement eliminates slab curl, dry shrinkage cracking, dusting, and spalling. CURE3D is tested and proven to chemically replicate 3-day water cure results with improved durability and reduced permeability.

CURE3D exceeds the moisture retention requirements of ASTM C-309 Type 1, 1-D, 2 Class A & B. CURE3D is compatible with all hardeners, densifiers, polish systems, coatings, flooring & roofing systems. CURE3D allows for same day installation of tilt panel bond breakers and installation of hardeners, densifiers, and polishing systems five days after concrete placement. CURE3D is non-toxic and contains no solvents. CURE3D's stable formula has an infinite shelf life and does not expire.

FEATURES & BENEFITS

- ASTM C-309
- Zero VOCs
- Eliminates Slab Curl
- Eliminates Cure Related Cracking
- Buy American Act Compliant
- UV Stable: Will not yellow
- Eliminates Dusting
- Reduces Efflorescence
- Improves Abrasion Resistance
- Improves Skid Resistance
- Dissipates after 72 Hours
- Compatible with all Hardeners, Densifiers & Sealers
- Compatible with all Flooring, Roofing, & Coatings
- Compatible with 1L Concrete
- Infinite Shelf Life

WHERE TO USE CURE3D

- Interior & Exterior Concrete
- Vertical Cast in Place Concrete
- Structural & Lightweight Concrete
- Tilt Panels
- 1L Concrete
- Below Grade
- Exposed Aggregate
- Colored Concrete
- Stamped Concrete
- Polished Concrete
- Topping Slabs
- Pavement
- Cold Storage
- Pre-Cast Panels
- Schools
- Medical Facilities
- Data Centers
- Sports Facilities
- Garage Floors
- Warehouse / Distribution
- Storage Facilities
- Manufacturing Facilities
- Areas to Receive a Polish System
- Areas to Receive Flooring & Roofing



TESTING

ASTM C-309: TYPE 1, 1-D, 2 CLASS A & B (Moisture Retention)

- 0.55 kg/m²

ASTM C-39 (Compressive Strength)

- Meets or exceeds 3-day water cure

ASTM D-3359-23 (Test Method for Rating Adhesion)

- Passed

COLOR: Available in Clear and White

SHELF LIFE: Infinite Shelf Life

VOC: ZERO 0 g/L

SECONDARY DENSIFIER/PAINT/SEALER: 5 Days After Application

PRECAUTIONS

Do not allow CURE3D to come into contact with any glass, metal, or painted surfaces. CURE3D left to dry on the surface may result in streaking, or whitening. Immediately wipe affected surfaces with a clean cloth.

COVERAGE RATES (SUBJECT TO SURFACE FINISH)

One-coat coverage rate is 300-350 sq ft per gallon (7-8 sq m per liter) for broom and textured surfaces.

One-coat coverage rate is 600-650 sq ft per gallon (15-16 sq m per liter) for hard troweled concrete.

Two-coat coverage rate is 300-350 sq ft per gallon (7-8 sq m per liter) for vertical cast-in-place concrete.

INSTALLATION

Installation should be continuous. CURE3D application should begin after the surface is firm enough to tolerate foot traffic without surface bruising or immediately after the early entry saw cutting.

1. Protect objects and areas not to be treated from spillage or overspray.

2. Apply one coat of CURE3D uniformly wetting the surface with an airless or tank-type sprayer.

DO NOT allow CURE3D to puddle or flood the surface.

Drying time will vary from 10 to 30 minutes depending on temperature and environment.

3. Pay special attention to apply material in joints and on slab edges. Treatment of these areas will eliminate slab curl.

4. Clean all equipment with warm soapy water.

VERTICAL CAST-IN-PLACE INSTALLATION

1. Application may begin immediately after forms have been removed.

2. Apply the first coat of CURE3D uniformly wetting the surface with an airless or tank-type sprayer.

SINAK recommends applying product top to bottom with a maximum 1-2 inch run. **DO NOT** allow material to run down the surface.

3. Verify the first coat has dried to the touch before beginning the second coat.

4. Apply the second coat uniformly wetting the surface.

NOTE: Tilt panel bond breakers may be installed as soon as the CURE3D treated surface is dry to the touch. Sealers, hardeners, densifiers, polish systems, or coating installation may begin five days after concrete placement on areas treated with CURE3D. SINAK recommends a field bond test prior to coating, flooring, or roofing installation.

INTERRUPTED INSTALLATION

If the application should be interrupted by rain, mark the place of interruption and continue the application as soon as weather permits.

If the delay exceeds 4 hours contact SINAK for additional information.

HOT WEATHER INSTALLATION

In hot (above 100°F or 38°C), dry and/or windy conditions apply CURE3D shortly after loss (evaporation) of surface bleed water. SINAK recommends the use of SINAK Finishing Aid during concrete placement and finishing operations. Contact SINAK for additional information.

COLD WEATHER INSTALLATION

Do not apply in temperatures below 32°F (0°C). Contact SINAK for additional information.

STORAGE & HANDLING

CURE3D has an infinite shelf life when stored in a cool dry area out of direct sunlight. Product must be kept in tightly secured containers to prevent evaporation and contamination. CURE3D **MUST** be protected from freezing. Product that has frozen will not function as intended, and should be discarded.

AVAILABILITY

CURE3D is available in 1-gallon (3.78-liter) jugs, 5-gallon (18.9-liter) pails, 55-gallon (208.2-liter) drums and 275-gallon (1041-liter) totes from selected distributors.

TECHNICAL ASSISTANCE

Technical assistance is available from the manufacturer (800) 523-3147 www.SINAK.com.

SINAK warrants its products to be free from manufacturing defects and to meet the technical properties on the current product information sheet. To the maximum extent permitted by law, this express warranty and the remedies specified below are exclusive and in lieu of all other warranties and remedies. Any implied warranties including without limitation implied warranties of merchantability and fitness for a particular purpose are excluded. SINAK's liability under this product warranty shall be limited to a refund of purchase price or replacement of the product. SINAK shall have no liability for any loss of use, interruption of business, lost profits or goodwill, or for any special, incidental or consequential damages of any kind arising from the purchase or use of the warranted product, even if SINAK has been advised of the possibility of such loss, interruption or damage. This limited warranty may not be modified by representatives of SINAK, its distributors or dealers. Any claim made under this warranty must be made within one (1) year of purchase and shall be accompanied by any reports or test results that form the basis of the warranty claim. Prior to settlement of a warranty claim, SINAK shall have the right, but not the obligation, to conduct site inspections and perform tests pertaining to the customer's warranted product and its manner of use.