



WCE™

CONCRETE CURING AGENT

SINAK WCE™ is a ready to use, zero VOC Curing Agent, Water-Cure Equivalent Type, that outperforms all traditional curing methods. WCE™ is proven to prevent cure related cracking and crazing while eliminating slab curling. WCE™ is non-toxic, contains no solvents, and is listed as UL® GREENGUARD Gold Certified and super compliant with SCAQMD.



FEATURES & BENEFITS

- 14-DAY WATER CURE EQUIVALENT
- ELIMINATES SLAB CURL
- EXCEEDS ASTM C-309 & ASTM C-1315
- UL GREENGUARD GOLD CERTIFIED
- CONTRIBUTES TO LEED V4 CREDITS

WCE™ chemically replicates 14-day water cure results and assures that the specified design strengths will be achieved along with improved durability and reduced permeability. WCE™ does not interfere with tilt panel bond breakers, joint sealants, patching, surface coatings, paints, lane markers, or cement wash treatments.

SINAK's line of curing agents are the first of their kind to surpass both ASTM C-309 and ASTM C-1315 standards for performance and moisture retention. WCE™ is available as a Type 1 and 1-D, Class A cure.



WHERE TO USE WCE™

- CONCRETE FLOORS/DECKS
- ROADS AND BRIDGES
- SHOTCRETE
- STRUCTURAL CONCRETE
- PRECAST CONCRETE
- VERTICAL APPLICATIONS
- TILT UP CONSTRUCTION

INSTALLATION

Installation should be continuous. WCE™ application should begin after the surface is firm enough to tolerate foot traffic or immediately after the early entry saw cutting. Apply a small test area to confirm penetration. If rain should occur at any time during this process, see 'Interrupted Installation' at the end of this section.

1. Protect objects and areas not to be treated from spillage or overspray.
2. Apply first coat of WCE™ uniformly wetting the surface, with an airless or tank-type sprayer. DO NOT apply WCE™ in heavy coats. DO NOT allow WCE™ to puddle or flood the surface.
3. Immediately after the first coat is dry, apply second coat. Drying time will vary from 10 to 30 minutes depending on temperature and environment. NOTE: "Dry" means dry to the touch.
4. Pay special attention to apply material in joints, saw cuts, and on slab edges. Treatment of these areas will significantly minimize slab curl.
5. Clean all equipment with warm soapy water.

TESTING

- **ASTM C-39**
(Compressive Strength)
Meets or exceeds 14-day water cure
- **ASTM C-309/C-1315: TYPE 1&1-D, CLASS A**
(Moisture Retention)
Exceeds water retention of less than 0.40 kg/m²
- **AASHTO T 277-93/ASTM C-1202-94**
(Rapid Chloride Permeability)
Meets or exceeds 14-day water cure

COVERAGE RATES (SUBJECT TO SURFACE FINISH)

Two-coat coverage rate is 200-300 sq ft per gallon (5-7 sq m per liter) for rough or textured concrete.
Two-coat coverage rate is 400-500 sq ft per gallon (10-12 sq m per liter) for smooth troweled concrete.
Two-coat coverage rate is 300-400 sq ft per gallon (7-10 sq m per liter) for vertical concrete.

PRECAUTIONS

Do not allow WCE™ to come into contact with any glass, metal, or painted surfaces. WCE™ left to dry on the surface may result in streaking, whitening, or staining. Immediately wipe affected surfaces with a clean water-saturated cloth, then wipe dry with a second clean cloth. For questions regarding WCE™ Contact SINAK.

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 immediately.

HOT WEATHER INSTALLATION

In hot (above 100° F or 38° C), dry and/or windy conditions apply WCE™ shortly after loss (evaporation) of surface water.

COLD WEATHER INSTALLATION

DO NOT apply below 34° F (1° C). Allow ample time between coats for drying. Contact SINAK for additional information.

STORAGE & HANDLING

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

AVAILABILITY

WCE™ is available in 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.

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.