



LithiumCure 2000™



PRODUCT DESCRIPTION

SINAK LithiumCure 2000™ is formulated to meet or exceed the performance requirements of concrete water cure specifications. Use of **LithiumCure 2000™** assures that the specified design strengths will be achieved along with development of improved surface durability properties and reduced permeability. **LithiumCure 2000™** is excellent for use on horizontal steel trowel finished concrete that will receive polish, clear sealer(s) or remain in a natural state.

ADVANTAGES

- ✔ Better than water cure.
- ✔ Prevents cure-related cracking and crazing.
- ✔ Will not stain or alter the surface.
- ✔ Controls slab-curling.
- ✔ Not a bond breaker.
- ✔ Saves 7-days in the construction schedule.
- ✔ Unlimited shelf-life.
- ✔ No mixing or dilution required.

LithiumCure 2000™ is a ready-to-use, zero-VOC concrete cure that outperforms all traditional wet-cure methods such as blankets, plastic sheeting, fogging, steam curing, etc. while eliminating the construction delays caused by water curing. **LithiumCure 2000™** is proven to prevent cure related cracking and crazing, while minimizing or eliminating early-age differential shrinkage (slab-curling). **LithiumCure 2000™** is especially effective in hot, windy and low humidity environments. **LithiumCure 2000™** does not interfere with tilt panel bond breakers or the bonding of joint sealants, patching, surface coating materials, paints, lane markers or cement wash treatments. Overspray on reinforcement steel does not require removal.

CURE EFFECTIVENESS

LithiumCure 2000™ retains high internal humidity which significantly reduces cracking. **LithiumCure 2000™** will not stain or alter the appearance like plastic or blankets and does not require removal as membranes do. This produces an ideal surface for polishing, sealing or allowing for a natural untreated surface. **LithiumCure 2000™** cured concrete is compatible with all known densifiers, polishes and resins.

TEST RESULTS

ASTM C39

Compressive Strength PSI
-Meets or exceeds 7-day water cure

AASHTO T 277-93/ASTM C 1202-94

Rapid Chloride Permeability Test (28 Days)
-Meets or exceeds 7-day water cure

BS 1881: Part 5

Initial Surface Absorption ml/m²/sec (28 Days)
-Meets or exceeds 7-day water cure

LONG TERM BENEFITS

LithiumCure 2000™ performance will not diminish over time. **LithiumCure 2000™** will provide protection against water borne contaminants, increase surface wear resistance, and protect treated surfaces against oil and chemical staining and damage.

TECHNICAL INFORMATION

Composition and Materials:

LithiumCure 2000™ is a water-based liquid with a proprietary formula in solution. It requires NO mixing, diluting or agitation. Color: Water clear; Specific Gravity: 1.1; Net Weight: 9.2 lbs/gal; Dry Solids Content (by weight): 11.1%; Flash Point: none; Toxicity: Non-toxic; VOC: Contains NO volatile organic compounds or solvents.

SINAK SYSTEMS

- ✔ **SINAK Finishing Aid:** All concrete, grout and mortar products.
- ✔ **SINAK VC-5:** Moisture vapor and alkalinity control curing agent with 15yr flooring warranty.
- ✔ **SINAK LithiumCure 2000:** Hard trowelled/burnished slabs or polished concrete.
- ✔ **SINAK LithiumCure 1000:** All exterior open surface profiled concrete.
- ✔ **SINAK WCE:** Potable water applications.

INSTALLATION

General Application Instructions:

Apply **LithiumCure 2000™** using a tank type or airless sprayer. Apply **LithiumCure 2000™** in 1 coat at a rate of 400 - 450 sq ft per gallon immediately after the early entry saw cutting procedure or as soon as the concrete will support foot traffic without bruising the surface. Do not allow **LithiumCure 2000™** to puddle. Pay special attention to apply material in joints and on slab edges. Treatment of these areas will significantly minimize slab curl. Clean all equipment by rinsing with water.

HOT WEATHER APPLICATION:

In hot, dry, and/or windy conditions (above 100°F), apply **LithiumCure 2000™** shortly after loss (evaporation) of surface water or upon completion of early entry saw cutting. Contact SINAK Corporation for additional information.

COLD WEATHER APPLICATION:

LithiumCure 2000™ can be applied at a temperature of 35°F and rising. Do not apply **LithiumCure 2000™** to frozen substrates. Contact SINAK Corporation for additional information.



Approximate Coverage Rates (Subject to surface finish):

400 - 450 sq ft per gal.

Storage and Handling:

LithiumCure 2000™ 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. **LithiumCure 2000™** MUST be protected from freezing. Product that has frozen will not function as intended, and should be discarded.

AVAILABILITY

LithiumCure 2000™ is available in 5-gallon pails, 55-gallon drums and 275-gallon totes from selected distributors.

MAINTENANCE

After application, no special maintenance is required.

TECHNICAL ASSISTANCE

Technical assistance is available from manufacturer and trained field representatives.

LIMITED WARRANTY

SINAK Corporation warrants its products to be of the highest quality. Since application of the product is a crucial factor in obtaining satisfactory results, and is beyond the control of SINAK Corporation, refund of purchase price or replacement of product shall constitute the limit of SINAK Corporation's liability. SINAK Corporation makes no other warranties, express or implied, with respect to the products or any service and disclaims all other warranties, including any warranty of merchantability and fitness for a particular purpose. This limited warranty may not be modified by representatives of SINAK Corporation, its distributors or dealers.



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Manufactured By:

SINAK Corporation

4901 Morena Blvd. #601, San Diego, CA 92117
(800) 523-3147 • www.sinak.com