



Product Information Sheet

PRODUCT DESCRIPTION

Lithium Cure 2000™ is formulated to meet or exceed the performance requirements of concrete water cure specifications. Use of **Lithium Cure 2000™** assures that the specified design strengths will be achieved along with development of improved surface durability properties and reduced permeability. **Lithium Cure 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.

Lithium Cure 2000™ is a ready-to-use, NO-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. **Lithium Cure 2000™** is the only concrete curing method proven to prevent cure related cracking and crazing, while minimizing or eliminating early-age differential shrinkage (slab-curling). **Lithium Cure 2000™** is especially effective in hot, windy and low humidity environments. **Lithium Cure 2000™** does not interfere with 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

Lithium Cure 2000™ combines with and attaches to siliceous components in concrete to produce secondary cement (CSH) that further densifies the surface. The new denser surface retains high internal humidity which significantly reduces cracking. **Lithium Cure 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. **Lithium Cure 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

Since **Lithium Cure 2000™** is inorganic, the performance will not diminish over time and 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:

SINAK Lithium Cure 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.

INSTALLATION

General Application Instructions:

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

HOT WEATHER APPLICATION:

In hot, (above 100°F), dry and/or windy conditions apply **Lithium Cure 2000™** shortly after loss (evaporation) of surface water or upon completion of Soff-Cut operation. Follow the General Application Instructions.

COLD WEATHER APPLICATION:

In freezing temperatures, or if freezing is possible, call SINAK Corporation.

Approximate Coverage Rates (Subject to surface finish):

400 - 450 sq ft per gal.

Storage and Handling:

Store in cool dry area out of direct sunlight. Must be kept in tightly secured containers to prevent evaporation and contamination.



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

AVAILABILITY

Lithium Cure 2000™ has an unlimited shelf-life when stored according to the above requirements. SINAK **Lithium Cure 2000™** is available in 5-gallon plastic 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 from 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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