



LS-825™

Sealer

Product Information Sheet

PRODUCT DESCRIPTION:

Formulation: SINAK LS-825™ was formulated to preserve, harden and protect stucco and concrete block by working with the contained minerals and siliceous constituents within the substrate. It penetrates and combines with the soluble calcium compounds, minerals, and existing silicate to form additional insoluble silicate or quartz structure.

The newly formed, breathing protective barrier retains all of the original properties of the treated substrate except one: The extreme moisture attraction of the calcium hydroxide normal to the capillary channels is neutralized because of its conversion to an insoluble compound. The result is a significant reduction in moisture-related damage such as efflorescence, mineral rings, tide lines, and perimeter staining. The reactions waterproof and dramatically harden the treated substrate.

Treated surfaces retain a natural appearance, and there is no coating or film that can be worn or weathered away.

Usage: Because of the way in which it functions, SINAK LS-825™ will provide protection in numerous vertical applications (e.g. buildings, planters, parapets, and free-standing walls). It can also be used effectively on concrete block preparatory to stucco or waterproof cementitious coatings, both above and below grade.

Function: SINAK LS-825™ waterproofs stucco and most types of block; significantly reduces or eliminates efflorescence; increases surface abrasion resistance; provides surface scaling and freeze-thaw protection; and provides protection against algae staining and damage. LS-825™ will not interfere with the bonding of crack repair, patching, or surface coating materials.

Limitations: Not for use on dense concrete or non-porous masonry. LS-825™ will not waterproof structural cracks, voids, holes, untraweled stucco, or light-weight concrete block. LS-825™ should not be applied in temperatures

below 50°F(10°C). See details under Cold Weather Application.

Composition and Materials: SINAK LS-825™ is a water-based liquid containing lithium quartz-modified sodium silicate with a proprietary formula in solution. It requires NO mixing, diluting or agitation. Color: Slightly turbid; Specific Gravity:1.2; Net Weight: 9.8 lbs/gal; Solids Content (by weight): 20%; Flash Point: none; Toxicity: Non-Toxic, VOC: Contains NO volatile organic compounds or solvents.

TECHNICAL INFORMATION

SINAK LS-825™ works by penetrating into the substrate. It reacts with the soluble calcium compounds, minerals and silicate structure to form additional insoluble calcium silicates and quartz compounds which cannot be removed chemically or physically. The reaction has a consolidating (gluing/cementing) effect that will increase the durability of the treated substrate.

INSTALLATION

General Application Instructions.

If possible, the application should be a continuous process from start to finish of the project.

1. Remove all coatings or substances that may prevent penetration (e.g. curing agents, coatings, sealants, dirt, efflorescence).
2. Protect objects from overspray; especially glass, metals, ceramics, glazed tile and wood. Protect all windows, doorways, lights, etc. with polyethylene film and waterproof tape (see Outdoor Application below). Protect or remove all personal items (e.g. eyeglasses, jewelry, watches).
3. Test apply small area(s) following the General Application Instructions to determine product suitability and coverage. If a gloss or sheen becomes visible after only one coat; or if whitening becomes visible at any time, STOP APPLICATION. Contact

local agent or SINAK Corporation for assistance.

4. Apply LS-825™ in light, even coats, barely wetting the surface, with a garden or airless sprayer. DO NOT apply in heavy coats.

Immediately after the first coat is dry, apply a second coat. NOTE: "Dry" means dry to the touch and the surface has returned to original color. Drying time will vary from 10 to 30 minutes depending on temperature/environment.

If a light sheen is visible when the second coat is dry, STOP APPLICATION. If not, repeat coats until a light sheen is apparent; or until the surface no longer readily darkens upon application; or until the material dries significantly slower than the previous coat. Apply only as much LS-825™ as the surface will readily absorb. Areas that absorb at a faster rate (dry spots) require additional coats.

WARNING: Excess material left to dry will result in a glossy or white scaly residue that is difficult to remove. DO NOT allow LS-825™ to puddle or run on the surface. Wipe excess with a damp cloth, or mop it up. Flush spillage on horizontal surfaces with water.

Important: DO NOT cover the treated area with any low permeability covering (e.g. paint or elastomeric coatings) for a minimum of 14 days while the treated surface is curing. Breathable cementitious coatings, patching materials, or crack repair materials, maybe applied after 48 hours

5. Immediately clean all equipment by rinsing with water.

HOT WEATHER APPLICATION: In direct sunlight if the surface is hot to the touch (above 100°F or 38°C) cool the surface before application by lightly dampening it with a water-spray. Allow the surface to dry completely, and begin application immediately. Lightly water-spray the treated area between coats. This is to prevent LS-825™ from drying on the



surface. Follow the General Application Instructions.

COLD WEATHER APPLICATION: Cooler temperatures cause a slower rate of penetration. Allow ample time between coats for complete penetration, and until the surface is dry. DO NOT apply in temperatures below 50°F (10°C); or if the temperature is expected to drop below 40°F (5°C) within a 24-hour period. Follow the General Application Instructions.

OUTDOOR APPLICATION: In breezy or windy conditions LS-825™ may dry pre-maturely on the surface; or the spray application may be difficult to control. Test apply to determine if satisfactory results are obtainable. If rain is expected within a 24-hour period, DO NOT apply. If it does rain within 24 hours after application, another application may be required. Contact local agent or SINAK Corporation for assistance.

In case of rain, or if rain is expected within 48 hours from application, do not remove protection from glass or other areas until rain ceases. Follow General Application Instructions.

Coverage Rates:

1-gallon of LS-825™ will provide finished application to an estimated 100 to 200 square feet (9.3 to 18.6 square meters). Actual coverage will vary according to substrate quality, surface texture, and local environment.

Precautions:

FOR USE ON STUCCO AND CONCRETE BLOCK SURFACES ONLY. SINAK LS-825™ may permanently damage glass, metals, wood, jewelry, and glazed materials by adhesion, streaking, whiting, or staining.

Excess product left to dry on the surface may result in a white, scaly residue or glossy finish that may be difficult to remove, and which may prevent proper bonding of paint or other surface applied materials.

May darken or modify color. Test prior to use.

Storage and Handling:

Store in cool dry area out of direct sunlight. Must be kept in tightly secured containers to prevent evaporation and contamination. SINAK LS-825™ MUST be protected from freezing. Product that has frozen will not function as intended, and should be discarded.

AVAILABILITY

SINAK LS-825™ is available in 5-gallon (18.9 liter) plastic pails, from selected distributors.

MAINTENANCE

After application, no special maintenance is required. 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, expressed or implied. This warranty may not be modified or extended by representatives of SINAK Corporation, its distributors or dealers.

TECHNICAL ASSISTANCE

Technical assistance is available from the manufacturer, from trained field representatives, and Certified Applicators.



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