



HLQ-125

Concrete Sealer

Product Information Sheet

PRODUCT DESCRIPTION:

SINAK Sealer HLQ-125™ is a lithium compound that remains in solution, penetrates and reacts with the mineral compounds and/or siliceous materials to form additional insoluble silicate and quartz structure. Since **HLQ-125™** is reactive inside the concrete and not at the surface, the treated surfaces will retain a natural appearance providing permanent protection for flooring and coatings, below-grade waterproofing, stain resistance and reduced maintenance applications for both standard and colored concrete. **HLQ-125™** is GREENGUARD® certified.

USAGE:

Floor/Coating Preparation:

- Alkalinity is permanently stabilized.
- Reduces vapor emission by further densifying treated concrete.
- Outgassing (pinholing) will be virtually eliminated.
- Friability (dusting) will be virtually eliminated.
- No coating or film on the surface to interfere with surface applied treatments.

Below Grade Waterproofing:

- Permanent waterproofing (negative or positive side).
- Identifies structural infiltration points for faster, more effective repairs.
- Compatible with all known coatings, liners crack repair and patching materials.

Stain Resistance and Reduced Maintenance:

- Food, drink and general spills are easily removed from treated surfaces.
- Oils remain towards the surface enabling easier removal while retaining a natural appearance.
- Algae and fungi staining remain at surface and are easy to remove.
- Efflorescence emanating from concrete is virtually eliminated.
- Excellent durability in freeze/thaw environments.

Re-application is never required.

New Concrete:

For all cure processes including water cure, it is strongly recommended that the concrete be properly cleaned or prepared prior to installing **HLQ-125™**. Removal of curing agents may require a mechanical process, e.g., shotblast, planetary diamond grinder, etc.

Existing Concrete:

Be sure to remove any and all coatings, sealers, paint, adhesives, etc. prior to installing **HLQ-125™**. **HLQ-125™** is only effective when it is able to penetrate and react within the concrete.

Masonry:

Some types of porous masonry can greatly benefit from the use of **HLQ-125™**. Treated surfaces will be waterproof, non-friable, stain resistant and more durable in freeze/thaw environments while retaining a natural appearance.

APPLICATION

General Application Instructions:

If possible, the application should be a continuous process from start to finish of the project. If for any reason the application is interrupted, mark the place of interruption, and continue at a later time as if no interruption had occurred.

1. Remove all coatings or substances that may prevent penetration of the sealer (e.g. curing agents, coatings, sealants, dirt, surface oil, efflorescence, paint and standing water). **DO NOT** use chemicals for removal of these materials.

2. Protect objects from overspray; especially glass, metals, ceramics, glazed tile and wood. Protect all windows, doorways, lights, etc. with polyethylene film, soap solution, or removable film forming protection. Should sealer get on exposed glass or aluminum, immediately remove using a damp cloth. If the sealer is allowed to dry, it can be removed from the aluminum using steel wool; or from glass using a razor blade. The material becomes easier to remove with age. The sealer is in no way harmful to these materials.

3. Apply sealer in light, even coats with a garden or airless sprayer. If using

a sprayer, before use make sure the selected sprayer is completely clean of solvents and foreign materials. **DO NOT** apply sealer with a roller or in heavy coats. Porous surfaces will absorb significantly more sealer than dense surfaces. **CAREFULLY** follow the instructions below for the surface that pertains to your application.

For All Surfaces:

Test a small area following the General Application Instructions to determine product suitability and coverage rate. In all cases apply only as much sealer as the surface will readily absorb. If additional coats are required, they may be applied after the previous coat is dry.

Note: "dry" means dry to the touch and the surface has returned to original color. Areas that absorb sealer at a faster rate (dry spots) require additional coats. **STOP APPLICATION** if at any time a "sheen" or whitening is observed. If there is no sheen or whitening, repeat the application with light even coat(s) until the last coat dries significantly slower than the previous coat(s).

For Dense Surfaces:

Dense surfaces will absorb sealer at a slower rate and drying time may vary between 5 and 10 minutes. If a light "sheen" or whitening is visible when the first coat is dry to the touch, **STOP APPLICATION**. If there is no sheen or whitening, repeat the application with light even coat(s) until the last coat dries significantly slower than the previous coat(s).

For Porous Surfaces:

Porous surfaces may absorb sealer at a rapid rate, and drying time may vary between 1 and 10 minutes. As soon as the first coat is dry, repeat the application with light even coat(s) until the last coat dries significantly slower than the previous coat(s). On some types of VERY porous surfaces, the sealer may continue penetrating even after 6 or 7 coats. In these cases, apply 8 coats in rapid succession; then allow the surface to dry for 2 to 3 hours; then apply another coat. This last coat should dry significantly slower than the previous coats, in which



case, **STOP APPLICATION**. If not, repeat the application as before until the last coat does dry significantly slower than previous coat(s).

WARNING: Excess sealer left to dry on the surface will result in a white scaly residue that may be difficult to remove, or that may interfere with the bonding of crack repair, patching, or surface coating materials. **DO NOT** allow sealer to puddle or “run” on the surface. Wipe excess with a damp cloth, or mop it up.

4. Immediately clean all equipment by rinsing with water.

Hot Weather Application:

DO NOT apply in direct sunlight if the surface is hot to the touch (above 38° C).

Cold Weather Application:

Cooler temperatures cause sealer penetration at a slower rate. Allow ample time between coats for complete penetration until the surface is dry. **DO NOT** apply sealer in temperatures below 4° C; or if the temperature is expected to drop below 0° C within a 24-hour period. Do not apply if the surface temperature is below 4° C. Follow the General Application Instructions.

Outdoor Application:

Sealer may dry prematurely in breezy or windy conditions. Minimize overspray in breezes by holding spray nozzle closer to surface.

Coverage Rate:

General spread rate for **HLQ-125™** on all surfaces will be between 1 - 5 square meters per liter depending on permeability and environment (finished application). These figures are estimates and may vary since the SINAK Sealer formulas are true penetrants, and substrate and environmental conditions fluctuate. For additional information, contact the nearest distributor or SINAK Corporation.

For New Concrete:

Apply sealer after concrete has cured for a minimum of 14 days. For optimum results allow concrete to cure for 28 days or longer.

Precautions:

Test a small area following the General Application Instructions to determine product suitability and coverage rate. **SINAK HLQ-125™** may adhere to unprotected glass, metals and glazed materials (e.g. glazed tile). If sealer should get on these materials, it can be removed with a razor blade or steel wool. The sealer is in no way harmful to these materials.

Excess sealer left to dry on the surface may result in a white, scaly residue or glossy finish that may be difficult to remove, or that may interfere with the bonding of surface applied materials.

STORAGE AND HANDLING:

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

Caution: Avoid contact with eyes. In case of contact, flush with plenty of water. In case of persistent irritation, call a physician.

AVAILABILITY

SINAK HLQ-125™ is available in 18.9-liter pails, 208-liter drums and 1041-liter totes from select 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 from Certified Applicators.



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