

# HLO-125

## CONCRETE & MASONRY SEALER - RECONSOLIDATOR - WATERPROOFER

SINAK HLO-125 is a spray applied, zero VOC, clear, single component, penetrating hydrolyzed lithium quartz sealer that reduces water intrusion, moisture, moisture vapor, alkalinity, hydrostatic pressure, and osmotic pressure on new and existing concrete, masonry, and stone substrates. HLO-125 penetrates deep into the capillary pore matrix of cementitious substrates and forms a permanent lithium quartz structure that reduces permeability and restricts moisture vapor transmission. HLO-125 is designed for use on interior, exterior, horizontal, vertical, positive, and negative side substrates.

HLO-125 hardens, densifies, and repairs damaged surfaces that typically would require mechanical grinding, shotblasting or complete removal and replacement. HLO-125 reconsolidates dusting surfaces and revitalizes degraded substrates that fail an adhesive bond test. HLO-125 waterproofs positive and negative side cast in place concrete and is excellent for use on "weeping" leaking vertical and horizontal surfaces. Substrates treated with HLO-125 are protected against water penetration, chloride intrusion, efflorescence, algae growth, mold, and staining from food, oil, & chemicals.

HLO-125 is a one-time, permanent solution that does not require re-application for the life of the treated surface. HLO-125 creates a permanent protective barrier within the treated substrate that cannot be removed chemically or physically, and there is no film or residue that can be worn or weathered away. HLO-125 retains the natural appearance of the substrate and does not change colored or stained concrete. HLO-125 excels at protecting substrates that are expected to receive heavy pedestrian or vehicular traffic and extends the life of treated surfaces by decades.

HLO-125 is not a bond breaker and is compatible with patching materials, joint fillers, epoxy injections, flooring, roofing, coatings, and paint. HLO-125 will prevent or reduce moisture vapor rates up to 50lbs/1000 ft<sup>2</sup>- 24hr and RH up to 100% to well below accepted levels for subsequent application of moisture sensitive flooring, roofing, and coating systems. HLO-125 is class 55 non-hazardous, non-toxic, and is listed as UL GREENGUARD Gold Certified, Super Compliant with SCAQMD and Buy American Act compliant. HLO-125's stable formula has an infinite shelf life and does not expire.

### FEATURES & BENEFITS

- Negative Side Waterproofing
- Positive Side Waterproofing
- Moisture Vapor Control
- Alkalinity Control
- Reduces Permeability
- Reconsolidates Damaged Surfaces
- Eliminates Dusting
- Infinite Shelf Life
- Zero VOC
- UV Stable
- Chloride Ion Protection
- Superior Stain Protection
- Radon Certified
- Improves Abrasion Resistance
- Improves Skid Resistance
- Buy American Act Compliant
- Compatible with all Moisture Sensitive Adhesives
- Compatible with all Paint, Coatings, Flooring & Roofing
- Compatible with all Polish Systems
- Compatible with Colored Concrete & Exposed Aggregates
- Compatible with 1L Concrete
- Controls Hydrostatic and Osmotic Pressure
- Controls Efflorescence
- Mitigates Offgassing/Pinholing

### WHERE TO USE HLO-125

- Vertical Cast in Place Concrete
- Horizontal Substrates
- Above Grade
- Below Grade
- Structural & Lightweight Concrete
- Positive Side Cast in Place Concrete
- Negative Side Cast in Place Concrete
- Colored Concrete
- Stamped Concrete
- 1L Concrete
- Exposed Aggregate
- Water Features
- Planter Beds
- Mortar
- Parking Decks
- Underlayments
- Retaining Walls
- CMU Block
- Leaking/Weeping Walls
- Masonry
- Brick
- Podium Decks
- Driveways
- Garage Floors
- Basements
- Patios
- Pavers
- Elevator Pits



BEFORE



AFTER



## TESTING

### ASTM C-241 (Abrasion Resistance)

- Untreated: 4.19
- Treated: 11.0

### ASTM E-96 (Moisture Vapor Transmission)

- (Radon Certified) 0.09 grams/hr m<sup>2</sup>

### ASTM D-4263 (Moisture Transmission)

- Passed

### ASTM D-3359-23 (Test Method for Rating Adhesion)

- Passed

**COLOR:** CLEAR

**SHELF LIFE:** Infinite Shelf Life

**FOOT TRAFFIC:** When Surface is Dry

**VEHICULAR TRAFFIC:** 4hrs After Surface is Dry

## SUSTAINABLE DESIGN REQUIREMENTS

Zero VOCs

UL 2818 Gold - GREENGUARD® Certified

Listed as Super-Compliant by the South Coast Air Quality Management District (SCAQMD)

Exceeds the regulatory limits in the SCAQMD Rule 1113

Meets the requirements to contribute for LEED credit in the following areas: EQ Credit 1.0, 4.1 and 4.3, EQ Credit 10 3.1, MR Credit 5.1 and 5.2

## PRECAUTIONS

Do not allow HLQ-125 to come into contact with any glass, or metal. HLQ-125 left to dry on the surface may result in streaking, or whitening. DO NOT Apply HLQ-125 to areas with standing water. Existing concrete and masonry surfaces exhibiting active moisture intrusion, dusting, or surface degradation may require additional coats of HLQ-125. If power washing is to be completed, ensure the surface is left to dry for a minimum of 24hrs prior to the installation of HLQ-125.

## COVERAGE RATES (SUBJECT TO SURFACE FINISH)

Two-coat coverage rate is 100-200 sq ft per gallon (2-5 sq m per liter) for horizontal and vertical surfaces.

## INSTALLATION

1. Clean surface and remove any existing sealers, coatings, dirt and debris.
2. Protect objects and areas not to be treated from overspray and spillage.
3. Verify test section - if the material beads up or appears to be repelled, stop and reassess the surface and ensure the material wets out, penetrates, and dries within 30 min.
4. Apply the first coat of HLQ-125 uniformly wetting the surface with an airless or tank-type sprayer.
5. Verify the first coat has dried to the touch before beginning the second coat. Fans may be used between coats to speed up the drying process.
6. Apply the second coat uniformly wetting the surface.

**NOTE:** Pay close attention to areas that absorb at a higher rate. Areas that absorb at a higher rate should be spot treated with additional product.

7. Clean all equipment with warm soapy water.

## VERTICAL INSTALLATION

1. Clean surface and remove any existing sealers, coatings, paint, dirt and debris.
2. Apply the first coat of HLQ-125 uniformly wetting the surface with an airless or tank-type sprayer. SINAK recommends applying product top to bottom with a maximum 1-2 inch run.
3. Verify the first coat has dried to the touch before beginning the second coat.
4. Apply the second coat uniformly wetting the surface.

**NOTE:** Paint, epoxy injections, crack repair or coating installation can begin 4hrs after treated surface is dry. SINAK recommends a field bond test prior to paint or coating application. If the substrate was actively leaking prior to the application of HLQ-125, SINAK recommends observing the substrate for a minimum of 48hrs to ensure no additional moisture intrusion occurs. If no moisture intrusion is observed after 48hrs, proceed with coating installation.

## INTERRUPTED INSTALLATION

If the application should be interrupted by rain, mark the place of interruption, and continue the application as soon as weather permits.

## HOT WEATHER INSTALLATION

In hot (above 100°F or 38°C), dry and/or windy conditions contact SINAK for additional information.

## 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

HLQ-125 has an infinite 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. HLQ-125 MUST be protected from freezing. Product that has frozen will not function as intended and should be discarded.

## AVAILABILITY

HLQ-125 is available in 1-gallon (3.78-liter) jugs, 5-gallon (18.9-liter) pails, 55-gallon (208.2-liter) drums and 275-gallon (1041-liter) totes.

## TECHNICAL ASSISTANCE

Technical assistance is available from the manufacturer (800) 523-3147 [www.SINAK.com](http://www.SINAK.com).

## WARRANTY

A non-prorated warranty is available from the manufacturer. Contact SINAK for additional information.

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.