LiquiShield 100™

ROLL-ON MOISTURE BARRIER

WATER-BASED ASTM E96 RATED MOISTURE MITIGATION SYSTEM

Liquishield100™ is a patented water-based copolymer product designed to treat interior moisture vapor emission (up to 100%RH) and protect against Alkalinity (up to 14pH) prior to installation of moisture or alkaline sensitive floor coverings.

FEATURES AND BENEFITS

- Delivers superior and permanent moisture control
- Nano sized particles allows deep penetration into substrate
- Dries clear and is both penetrating and micro-film forming
- Quick-drying, ready for floor covering in 60-minutes or less
- Exceeds ASTM F3010-13 requirements for vapor reduction when tested in accordance with ASTM E96 (<0.1 perm)
- BPA free, water-based, non-toxic, and zero (0) VOCs
- Designed for rapid turnaround with maximum protection

RELATED INDUSTRY STANDARDS

- ASTM E96 | ASTM F2170

WHERE TO USE

- Lightweight or structural concrete
- Interior, new or existing concrete substrates
- Beneath moisture or alkaline sensitive floor covering

LIMITATIONS

- Do not install over substrates containing asbestos
- Ambient and concrete surface temperatures must be at least 40°F
- Optimum installation temperatures are between 45°F and 100°F
- Do not allow product to freeze
- Do not thin product

MIXING AND PRODUCT APPLICATION

Prior to any application of LS100 ***YOU MUST*** perform a water droplet test as described in ASTM F3191 –Standard Practice for Field Determination of Substrate Water absorption (Porosity) for substrates to receive resilient flooring. Perform the test in sufficient number of areas of the substrate. If the substrate is non-porous, further mechanical preparation is needed.

Make sure to thoroughly clean the substrate before performing the Droplet Test as residual dust and concrete particulate can block pores and water droplet will absorb into particulates showing a false result of porosity.

If grinding is your method of surface preparation you MUST perform a minimum of two vacuum passes in a cross hatch method.

- Agitate product by hand to ensure a uniform consistency prior to application
- **Do not use high-speed mixing method.**
- Saturate a 3/8" roller and apply uniformly in a singular direction (North-South). Wait approximately 30 minutes, then cross roll (East-West) a second coat in opposite direction.
- Extremely absorbent concrete and/or concrete with a surface profile of CSP #3 or greater may require a third coat. In such cases, allow the second coat to dry prior to applying the third coat in a perpendicular direction at a coverage rate of 400 – 500 sq. ft. per gallon. Allow the third coat to completely dry (30–60 minutes) before applying products.
- Best results are achieved by dipping roller in bucket or roller tray. Do not pour material directly on substrate as this will not provide uniform coverage.
- Do not allow to puddle.
- No additional priming required when applying cementitious patching or leveling products or floor adhesives that are approved to be applied to a non porous substrate. Please always refer to the flooring manufactures requirements.
- In accordance with some manufacturers specifications, some adhesives or flooring, may require a cementitious blotter layer applied after installation of LS100 and prior to flooring installation.
- Ready for finished flooring in 30–60 minutes.

SURFACE PREPARATION

- Concrete sub floors must be clean, porous and structurally sound in accordance with ASTM F710 Standard Practice for Preparing Concrete Floors to receive resilient flooring.
- All substrates must be structurally sound and free from any contaminants that may inhibit product's ability to properly penetrate and/or bonding of patching/adhesives/finished flooring product, including oil, grease, dust, paint, sealer, floor finishes, curing compounds and adhesives.
- Weak or contaminated surfaces must be mechanically removed.
- A specific CSP is not required, however thickness of surface removed must be deep enough to eliminate penetrated contaminants.
- The type of mechanical cleaning is determined by the type and depth of contaminant to be removed.
- Utilize ASTM F3191-16 Standard Practice for Determination of Substrate Absorption (Porosity) as an additional test procedure to ensure that substrate is clean and porous. Multiple test spots must be performed throughout all areas to receive Liquishield100™.

LiquiShield 100™
ROLL-ON MOISTURE BARRIER

PRODUCT PERFORMANCE PROPERTIES

Solids Content	30%
VOC's	0 g/l
Moisture Loss	<.40 kg/m2
Net Permeance	<0.1 perms
Coverage	200–250 sq.ft./US gallon*
Dry Time (73˚ / 50%RH)	60 minutes
Resistance to Alkalinity	ASTM D1308 5%NaOH/10%HCL 48-hrs No pinholes, discoloration or disintegration

*Coverage may vary based on substrate conditions, waste or other non-controllable circumstances.

PACKAGING AND HANDLING

Packaging	5 US gallon pail (18.9L)
Shelf Life	12 months unopened
Consistency	Liquid
Color	White, dries clear
Storage Range	Between 65°F – 90°F

CSI DIVISION CLASSIFICATION

Vapor Control for Flooring	090561.13

FOR PROFESSIONAL USE ONLY

Liquishield100™ intended for use by trained professionals only.

Refer to product SDS for specific data related to health, safety and handling precautions.

CLEANUP

Clean tools and equipment with soap and water immediately after use. Dispose of all materials in accordance with local, state and federal regulations.

WARRANTY

The information contained herein is based on laboratory testing and believed to be accurate. Due to an inability to anticipate all variations or possible applications, we cannot guaranty the reliability of the information listed herein. The applicator is responsible to test and determine product suitability for each intended purpose.

TRAXX warrants the product is free of manufacturing defects and conforms to published product properties.

THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

TRAXX CORPORATION
1201 E. Lexington Avenue | Pomona, CA 91766 909-623-8032 www.traxxcorp.com

Rev. 5/2023