

LiquiShield 100™

ROLL-ON MOISTURE BARRIER

WATER-BASED ASTM E96 RATED MOISTURE MITIGATION SYSTEM

LiquiShield 100™ 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)
- Water-based, non-toxic, Zero (0) VOC
- 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

- 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.
- For substrates with a CSP of 5 or greater utilize a secondary application method utilizing a 3/8" roller and follow the rolling with an exploded tip plastic broom and back broom material to ensure uniform coverage still applying in 2 coat method described above.
- 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 necessary when applying cementitious patching or leveling product, or adhesives for finished flooring.
- 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 & 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.