



Moisture Lock 101®

Product Data & Installation Instructions

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Important: Proper installation of this system requires use of the appropriate primers and companion products. Read and understand Product Data (PDS) and Safety Data (SDS) for all products prior to installation.

Suitable Substrates

Moisture Lock 101® is a chemical liquid hardener for cementitious, porous substrates. Use for absorptive, moderately hard concrete, mud beds, gypsum/gypcrete, lightweight concrete and patching/leveling compounds. **Moisture Lock 101®** will not salvage honeycombed or structurally unsound surfaces.

Features and Benefits

- Maximizes coverage of NAC TAC, NAC TAC II and NS97 primers by minimizing absorption into porous, cementitious substrates
- Hardens aged, powdering concrete
- Strengthens existing concrete under carpeting
- Cures "flushed out" cementitious grout
- Hardens gypsum/gypcrete underlayments
- Strengthens mud beds and leveling/patching compounds
- Easy to use, pre-mixed formula

Surface Preparation

- New concrete floors must be set and dry for at least 28 days prior to application.
- **DO NOT** use on floors that have been cured with curing compounds or any other coating.
- A cementitious parge coat must be applied to concrete block and cured prior to application.
- Substrates must be dry, well adhered, and clean of wax, petroleum sealers, dirt, grease, oil or other inhibitors.
- Citrus degreaser is recommended for general cleaning and to remove oil stains. Rinse floor thoroughly and allow to dry.

Product Application

Do not allow **Moisture Lock 101®** to come in contact with glass, fabric, metal or painted surfaces. If contact occurs, wipe contaminated surface immediately with a clean, water-saturated cloth, then wipe dry with a second clean cloth.

- Apply **Moisture Lock 101®** evenly with a roller, brush or squeegee. Bubbling indicates activation of **Moisture Lock 101®** into substrate. Up to (but no more than) three applications may be required.
- After first or second application, white crystals may develop if surface has already reached maximum hardness. If this occurs, flush surface liberally with clean, preferably hot water while rapidly brushing floor with a stiff bristled broom. Mop up excess water, solutions and puddles.
- To reduce water vapor transmission, apply one coat of **Moisture Lock 101®**. Allow to visibly dry.
- For best results, allow floor to dry for 24 hours.

Specialized Uses

Grout: **Moisture Lock 101®** can be applied to cementitious joints that have not set up properly. If adequate free lime is present in the grout, hardening of the grout joints will occur. Wipe excess **Moisture Lock 101®** off tile surfaces after application.

Aged Concrete: **Moisture Lock 101®** can be applied to aged or powdering concrete prior to installation of NAC Membrane Systems. **Moisture Lock 101®** is also suitable for substrates to be covered by carpeting.

Resilient Tile: Conduct a bond test prior to installation.

Important Information

Coverage: 100-300 square feet per gallon depending upon applicator used and porosity of substrate.

Clean Up: Clean all tools and equipment with water immediately after use. Dispose of unused material according to local regulations.

Storage: **Moisture Lock 101®** has an 12 month shelf life. Store in original, tightly-sealed containers in a cool, dry area. Protect from freezing – do not store below 35°F (2°C). In the event that a freeze/thaw occurs, salvage may be possible. Allow the product to warm up then attempt to restir to uniformity. If separation persists, do not use.

RISK PHRASES: Contact with skin or eyes may cause burns. May be absorbed through skin. Repeated or prolonged exposure increases the risk of absorption. Inhalation of vapors may cause irritation. May cause irritation and burns of mouth, throat and stomach. **INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.**

PRECAUTIONARY MEASURES: Prevent contact with skin, eyes and clothing. Wash thoroughly after handling. **DO NOT** take internally. Prevent inhalation of vapors or mists. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or product is used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, State and Local regulations. Empty container may contain hazardous residues. All label warnings must be observed until container is commercially cleaned or reconditioned.

FIRST AID MEASURES: In case of eye contact, flush thoroughly with water for at least 15 minutes. **SEEK IMMEDIATE MEDICAL ATTENTION.** In case of skin contact, wash affected area with soap and water. Remove and wash contaminated clothing. If irritation persists, **SEEK IMMEDIATE MEDICAL ATTENTION.** If inhalation causes physical discomfort, move to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, **SEEK IMMEDIATE MEDICAL ATTENTION.**

PROPOSITION 65: This product contains chemicals at levels below 0.1% listed under California Proposition 65 known to either cause cancer, birth defects or reproductive harm.

VOC CONTENT: 0.0 grams per liter or 0.0 lbs. of V.O.S. per gallon of coating.

**CONTAINS MAGNESIUM FLOURSILICATE & SULFURIC ACID
HARMFUL OR FATAL IF SWALLOWED
KEEP OUT OF REACH OF CHILDREN**