



Moisture Lock 101®

Liquid Hardener

PRODUCT DATA SHEET

PRODUCT OVERVIEW

Moisture Lock 101 is a clear, water-based chemical floor hardener for porous, cementitious substrates to seal and block Moisture Vapor Transmission. Moisture Lock 101 reacts with the free lime and calcium carbonate in concrete, to penetrate and seal pores and capillaries to harden and dust proof surfaces.

Moisture Lock 101 has a 10-15% porosity reduction, however it will not salvage honeycombed or structurally unsound surfaces. The use of an NAC primer is also necessary to meet the minimum ANSI Specification for shear strength of greater than 50 psi as mandated by A118.10 for waterproof membranes, A118.12 for crack isolation membranes and A118.13 for sound control membranes.

FEATURES & BENEFIT

- 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

SUITABLE SUBSTRATES

Moisture Lock 101 maximizes the coverage of NAC primers over a variety of surfaces such as; moderately hard concrete, mud beds, gypsum, gypcrete, lightweight concrete and patching/leveling compounds.

APPLICATION

- Apply Moisture Lock 101 evenly with a roller, brush or squeegee. Bubbling indicates activation of into substrate. Up to (but no more than) three applications of Moisture Lock 101 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.

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 clean cloth.

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.

Resilient Tile: When installing resilient tile directly on concrete, 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 re-stir 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



National Applied Construction Products, Inc.

www.nacproducts.com
800.633.4622 • fax: 330.644.3117