



MOISTURE GUARD

PERMANENT INTEGRAL MOISTURE BARRIER

PRODUCT DESCRIPTION: Moisture Guard is a water based colloidal silicate densifier, which is non-hazardous, zero VOC's, and creates a permanent integral barrier that both densifies concrete through increased hydration and protects concrete from chemical attacks from a greatly reduced permeability. Moisture Guard is a proprietary formulation in an aqueous base, which is safe and easy to apply.

RECOMMENDED USE: Moisture Guard is recommended as a densifier and moisture vapor blocker prior to the application of cementitious overlays, epoxy coatings, traditional flooring materials, and in concrete polishing applications. It can be used for related decorative concrete applications including flatwork, stamped and textured concrete, concrete counter tops, concrete masonry units, stucco, mortar, grout, and most any other Portland cement based surface.

BENEFITS:

- Exhibits deep a high degree of penetration without leaving any residue on the surface
- Significantly decreases un-hydrated cement (free alkali) thereby increasing concrete's density
- Greatly reduces permeability
- Highly effective in protecting the concrete surface against acid & salt/chemical erosion
- Formulated using "green technology" and LEED credit qualification
- No harmful fumes or objectionable odors for trouble free applications on interior projects
- Ready to use formula allows for easy application and labor cost savings on the job

| PHYSICAL PROPERTIES: | APPROXIMATE VALUES at 70° F (21°C): |
|---|---|
| Composition | Proprietary, Hydro Silicate catalyst in a colloidal liquid base. >60% |
| Weight per Gallon: | 9.20 lbs/gallon +/-0.10 |
| Color/odor: | Semi-transparent white liquid / Slight |
| V.O.C. Content (% Volatiles) per EPA method: | Zero |

*Contains less than 25 g/L volatile organic compounds. Meets existing VOC (VOM) regulations for Waterproofing Sealers under the EPA's National AIM (Architectural and Industrial Maintenance) listings for all states including OTC, LADCO, CARB, and SCAQMD.

LEED CREDIT CONSIDERATIONS: Materials and Resources: **MR Credit 1.2** Building re-use. Environmental Quality: **EQ Credits 4.2:** Low emitting materials (VOC <25 g/L).

APPLICATION: Moisture Guard may be applied to concrete of any age. Before applying, ensure that any previously applied sealer or other contaminant clogging the porosity of the concrete has been removed by mechanical abrasion. Ensure surface porosity by testing with a small amount of water. If the water stains the concrete immediately and disappears within 3-4 minutes into the surface, there is excellent porosity. If there is a delay in the darkening of the surface, or the water evaporates at a faster rate than penetration, or if you notice any surface water beading, If the surface is not porous and needs further mechanical abrasion. It is highly recommended to vacuum the surface prior to application to minimize surface cement dust and resulting free alkali and minimize surface reaction to increase depth of penetration. Apply Moisture Guard at a coverage rate of 150-200 sq ft per gallon on broom finished floors and 200-300 sq ft per gallon on hard troweled floors.

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www.prolinestamps.com // 800-795-4750 toll free



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For best results, use a medium to high-pressure airless paint sprayer with .19 aperture tip and apply with a 50% overlap with a single pass. On vertical surfaces, begin the application at the lowest point in elevation and work toward the highest point in an east-west manner, where north points toward the highest elevation point.

On flat surfaces, once you complete the application, broom or squeegee off any excess Moisture Guard to avoid puddling. After 24 hours minimum, damp mop or rinse with auto-scrubber and squeegee excess water and allow to dry prior to applying any topical coatings/glue/floor finishes. If moisture readings are high prior to the application of Moisture Guard, it is recommended to allow 48-72 hours prior to rinsing and applying any finishes.

LIMITATIONS: If surface penetration is not noticeable within minutes after applying Moisture Guard, The concrete may have a sealer, oil, or coating barrier that is preventing absorption. If coatings are present, use mechanical abrasion means to remove them. If grease or oil is present, the use of a good detergent/degreaser is recommended with an auto-scrubber machine or rarity single head machine. After application of any cleaner, rinse thoroughly, and ensure the removal of all standing water. Once dry, you must test the concrete for porosity by misting lightly with water. If the concrete darkens, then the surface is porous and ready to seal. If the water beads on the surface and does not penetrate easily, then the surface needs further cleaning or to be abraded mechanically.

CAUTIONS: Moisture Guard achieves best results if ambient temperatures are above 40°F (4.4°C) and below 90°F (32.2°C). Extreme weather conditions such as high wind or applications in full sun at high temperature will cause premature drying. In such extreme cases, mist the surface to be treated with water and apply Moisture Guard to the moistened surface. This allows the surface to stay wet long enough for increased reactivity and penetration.

WARNINGS: Moisture Guard is for use by qualified professional contractors and trained applicators. Although it is non-corrosive to skin, avoid prolonged skin contact. Wash skin with soap and water if exposed to avoid irritation. Wear splash resistant eye protection and impervious gloves when handling. There are no fumes associated with Moisture Guard when applied manually by high volume, low pressure or pump up sprayers. Before using, refer to product S.D.S (Safety Data Sheet) for further health and safety information. Keep containers closed when not in use and dispose of accordingly. Keep away from food and drink. Do not take internally. **FOR PROFESSIONAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. FOR EMERGENCIES ONLY, CALL CHEMTREC AT 800-424-9300.**

H.M.I.S CODES (Hazardous Materials Identification System: HEALTH = 1, FLAMMABILITY = 0, REACTIVITY = 1, PERSONAL PROTECTION = E (Impervious gloves, splash goggles, and respirator.) **HAZARDOUS INGREDIENTS:** Section 313 Supplier Information: This product contains no chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know-Act of 1986 and 40CFR372.

SHIPPING D.O.T. CLASS: NOT-REGULATED BY D.O.T. CLASS 55 CONCRETE SEALER – WATER BASE

STORAGE: 40° to 90°F. Keep from freezing.

SHELF LIFE: 2 years properly stored



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