

DESCRIPTION: Ultra Surface Moisture Guard is a clear, subsurface penetrant that helps to waterproof concrete from the inside out. This revolutionary product can penetrate concrete slabs to depths of up to 6 inches or more, pushing excessive moisture out of the concrete that causes adhesives to dissolve and flooring to buckle and discolor. When Moisture Guard reacts properly with the free alkali in the concrete, it creates a 100% solid colloidal gel that can permanently seal the concrete against water intrusion. The concrete slab should become so dense and so tight, that moisture levels should be reduced to acceptable levels. Moisture Guard also helps to balance the pH levels on the surface giving added life to any coating that will be applied over the concrete. Moisture Guard is not a guaranteed solution against moisture vapor transmission problems, but does offer extra protection and insurance against moisture related flooring problems. The only way to measure the results or success of a Moisture Guard application is to have a calcium chloride moisture test performed on the surface before and after the Moisture Guard is applied.

TYPICAL USES: Ultra Surface Moisture Guard is used as the first coat on a concrete surface as a penetrating moisture preventative sealer. It is designed to help prevent coating applications from blistering or delaminating, due to moisture vapor transmission problems from below a concrete slab.

It integrally waterproofs, densifies and preserves concrete of any age at any point during its useful lifespan. It provides concrete an effective chloride ion barrier that helps preserve its imbedded steel. Before applying an Ultra Surface Polymer Concrete application, the best system against moisture related problems is to apply Moisture Guard as the first coat and MRB (moisture resistant barrier) Primer as the second coat. Before applying epoxy and urethane or color flake flooring applications it is recommended to apply Moisture Guard as the first coat and Epoxy 200 as the second coat (see important note below).

SURFACE PREPARATION: The surface must be clean and sound, free from oil, dirt, waxes and any other contaminants or coating materials that may prevent the Moisture Guard from penetrating into the surface. Scrub the surface with detergent and pressure wash. For smooth, hard, troweled surfaces, acid washing or shot blasting may be necessary to etch the surface. Cover or protect metal and glass from coming into contact with Moisture Guard. If contact occurs, immediately rinse with water.

APPLICATION INSTRUCTIONS: Dampen concrete with water removing any excess puddles. Roll the Moisture Guard over the dampened surface at a coverage rate of 200 sq. ft. per gallon using a 1/2 inch nap paint roller.

Important: Allow the Moisture Guard 24 hours minimum to cure then rinse the surface thoroughly with water prior to applying the MRB Primer or any other coating application.

ULTRA SURFACE MOISTURE GUARD

Technical Information

Physical Properties

| | |
|---|-------------------------|
| Physical | Liquid |
| Product type: Colloidal Silicate Solution / Proprietary formula | |
| Coverage Rate | 200 sq. ft./gallon |
| Color | Clear |
| Odor | None |
| Specific Gravity | 1.10 |
| Flammability | None |
| Toxicity | None |
| Paintability | Excellent |
| Clean-up Solvent | Water |
| Environmental Impact | None / Neutral |
| R-Factor Increase | Up to 20% |
| Surface Bond Quality | Excellent |
| Chloride Screen ability | Excellent |
| User Status | Friendly |
| VOC / VOS Compliant | Yes |
| Spill / Clean-up | Dilute / Flush w/ water |

Advantages

- Balances pH levels
- Stops glue failure; gives added life to adhesives
- Integrally waterproofs concrete
- Preserves matrix and overall integrity
- Excellent coating or topping primer
- Increases Strength
- Improves dusting resistance
- Improves acid and chemical resistance

Limitations

Cover and protect glass and metal from over spray.