

**DESCRIPTION:** Ultra Surface MRB Primer (moisture resistant barrier) is an acrylate aqueous dispersion which when applied develops into a strong, durable, flexible coating that adheres tenaciously to clean bare surfaces. It is non-toxic, user friendly, odorless, clear drying, non-flammable and penetrates into the surface to provide a moisture resistant primer for surfaces with 8 pounds or less. For floors over 8 pounds it is recommended to use Ultra Surface Moisture Guard as the first coat followed by MRB Primer as the second coat. MRB Primer also helps to balance the pH levels on the surface giving added life to any coating that will be applied over the concrete. MRB Primer 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 success of an MRB Primer application is to have a calcium chloride moisture test performed on the surface before and after the MRB Primer is applied.

**TYPICAL USES:** Ultra Surface MRB Primer is used as a penetrating primer over concrete surfaces to help protect against moisture problems of up to 8 pounds or less. For moisture problems over 8 pounds, use Ultra Surface Moisture Guard as the first coat and MRB Primer as the second coat. Before using Moisture Guard, read the Moisture Guard Technical Data Sheet for application instructions. MRB Primer is designed to help prevent coating applications from blistering or delaminating due to moisture vapor transmission problems from below a concrete slab. It helps increase the bond of any coating material applied over it. It is most commonly used as a moisture resistant primer before applying an Ultra Surface Polymer Concrete 1/4" Stamping, Fine Broom Finish, Squeegee/Bond Coat, Trowel Knockdown or Spray-Top application. Do not use directly under Spray-Top when acid staining, unless applying Ultra Surface Resurfacer over the MRB Primer before applying Spray-Top.

Note: For the best protection against Moisture Related Problems when doing polymer concrete applications, apply Ultra Surface 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. When using Moisture Guard, allow it to dry for 24 hours, then pressure wash or rinse the surface before applying MRB primer or Epoxy 200 over it.

**SURFACE PREPARATION:** The surface must be clean and sound, free from oil, dirt, waxes and any other contaminants or coating materials that may interfere with bonding. Scrub the surface with detergent and pressure wash. For smooth surfaces, acid washing or shot-blasting may be necessary to etch the surface.

Note: Cover or protect metal and glass from coming into contact with MRB Primer. If contact occurs, immediately rinse with water.

### APPLICATION INSTRUCTIONS:

Do not apply less than 55 degrees F. Apply at a coverage rate of 300 – 400 sq. ft. per gallon using a medium nap paint roller. For the quickest method, spray the MRB Primer in sections using a pump-up type sprayer, then immediately back roll with a 3/8 – 1/2" nap paint roller to leave a thin, even coat with no puddles. Allow to cure 4-6 hours or more, before applying any Ultra Surface Polymer Concrete applications. Allow 24 hours before applying an epoxy or urethane application.

## ULTRA SURFACE MRB PRIMER

### Technical Information

#### Physical Properties

Physical	Liquid
Product type:	Acrylate, aqueous dispersion with proprietary additives
Coverage Rate	300-400 sq. ft./gallon
Color	Milky white / dries clear
pH range	7-8
Specific Gravity	1.04
Flash Point	N/A
Flexibility	Excellent
Paintability	Excellent
Elongation	3 mils 100%, 10 mils 400%
Surface Bond Quality	Excellent
Solids Content	25-30 %
Storage temperature	50-85 degrees F
VOC / VOS Compliant	Yes
Spill / Clean-up	Dilute / Flush w/ water

#### Advantages

- Balances pH levels
- Stops glue failure; gives added life to adhesives
- Provides extra strength, flexibility and integrity
- Excellent coating or topping primer
- Improves dusting resistance
- Improves acid and chemical resistance

#### Limitations

- Cover and protect glass and metal from over spray.