MBP – Multi-Surface Bonding Primer



1. **Product Name**

   MBP – Multi-Surface Bonding Primer

2. **Product Description**

   Multi-Surface Bonding Primer (MBP) is a single-component, water-based primer engineered to deliver superior mechanical adhesion onto a variety of substrates where proper bonding is difficult.

   Key Features

   - Ready-to-use primer
   - One-coat application
   - For use on porous and non-porous surfaces
   - No shot blasting or abrasion required

   Uses

   Prepares surface with a textured finish that is suitable for installation with modified cement mortar and self-leveling underlayments.

   Suitable Substrates

   - Well bonded water resistant cutback or old adhesive.
   - Non-porous concrete
   - Porcelain & Ceramic tiles with Glazed or Smooth surfaces
   - Exterior grade plywood and OSB (interior only)
   - Epoxy Coating
   - Cement and Epoxy Terrazzo
   - Quarry Tile
   - Natural stones
   - VCT
   - Vinyl flooring
   - Moisture Vapor Barrier (TECH MVC)
   - Moisture Vapor Barrier (Sheet Goods)
   - Laminates
   - Rigid Fiberglass panels
   - Properly prepared gypsum-based underlayments (interior only)
   - Primer for some tile backed with epoxy resin for interior residential and light commercial applications - contact Custom Technical Services for more information
   - Cleaned, Rust-free Steel
   - Well adhered flat and semigloss latex or epoxy painted surfaces (interior dry areas)

   Limitations to the Product

   - Application temperature must be between 50°F - 95°F
   - Do not subject to prolonged water immersion
   - Do not use over bond inhibiting or bond breaking materials such as curing compound
   - Do not apply over dusty substrates.
   - Do not dilute
   - Do not use over saltillo tile
   - Do not use on exterior commercial applications

3. **Instructions**

   General Surface Prep

   USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.

   Ambient temperature, surfaces and materials should be maintained at a temperature between 50° F (10° C) and 95° F (35° C) for 72 hours during application. Surfaces must be structurally sound, clean, dry and free from grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that would prevent a good bond. Existing finishes must be well bonded to the substrate. Concrete must be cured. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Plywood flooring including those under resilient flooring must be structurally sound and meet all building code and deflection requirements. Can be used on steel troweled finishes without scarifying. For questions about proper subfloor installation, call Technical Services.

   Bonding to Gypsum Underlayment

   Gypsum based underlayment must obtain a minimum 2000 psi (13.8 MP) compressive strength. The underlayment must be sufficiently dry and properly cured to the manufacturer's specifications for permanent, non-moisture permeable coverings. Surfaces to be tiled must be structurally sound and subject to deflection not to exceed the current ANSI Standards. Surfaces shall be free of all grease, oil, dirt, dust, curing compounds, waxes, sealers, efflorescence, or any other foreign matter.

   Gypsum underlayment surface must be primed with a properly applied Multi-Surface Bonding Primer at a rate of 150 sq ft per gallon before tile is installed with a cement based mortar. Expansion joints must be installed in accordance with local building codes and ANSI/TCNA guidelines. Refer to TCNA EJ171.

   Bonding to Cutback Adhesive

   Adhesive layers must be removed. **Use extreme caution**; adhesives may contain asbestos fibers. Do not sand or grind adhesive residue, as harmful dust may result. Never use adhesive removers or solvents, as they soften the adhesive and may cause it to penetrate into the concrete. Adhesive residue must be wet-scraped to the finished surface of the concrete, leaving only the transparent staining from the glue. To determine desirable results, do a test bond area before starting. Refer to the RFCI Pamphlet "Recommended Work Practices for Removal of Resilient Floor Coverings" for further information. **Bonding Over Cured Moisture Vapor and Alkalinity Barriers** Moisture vapor control epoxy coatings must be fully cured and free of pinholes and blisters before applying MBP. Do not dilute the primer. Spread with a short nap roller at an approximate coverage rate of 150-300 square feet per gallon.

   Mixing Procedures

   Since settling may occur, stir using a low speed (200 rpm or less) power mixer for 30-60 seconds; do not over-mix and do not entrain air.

   Application of Product

   Apply with a paint brush, 1/4" or 3/8" nap roller. Apply a thin, even coat at a uniform coverage rate of 150-300 ft per gallon; do not allow puddling.

   Cleaning of Equipment

   Clean with water before the material dries.

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Storage
Store in a cool, dry area. Keep from freezing.

Health Precautions
Contains acrylic emulsion. Wear suitable gloves and eye protection. Avoid eye contact and prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes and consult a physician. If skin contact occurs, wash immediately with soap and water. Dried material is extremely difficult to remove. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

Conformance to Building Codes
Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

4. Size & Availability

Location	Item Code	Size	Package
USA	CPMBP1	1 gal (3.78 L)	Pail
USA	CPMBP3	3.5 gal (13.24 L)	Pail
Canada	CCPMBP1	1 gal (3.78 L)	Pail
Canada	CCPMBP3	3.5 gal (13.24 L)	Pail

Coverage Chart

Size	Min. Coverage	Max. Coverage
1 Gal (3.78 L)	150 ft^2 (13.94 m^2)	300 ft^2 (27.87 m^2)