



TECHNICAL DATA SHEET

SURFACE BOND

PRODUCT DESCRIPTION

Surface Bond Primer is the revolutionary Primer and complete floor prep system in one. It bonds to virtually any surfaces including; epoxy, paint, asphalt, linoleum wood, metal, VCT, sealed concrete, ceramic tile, masonry and bituminous roofing. Surface Bond cuts prep time, seals in slab laitance and reduces mess and demolition hazards. It is also against hydraulic fluid, grease and other hydrocarbon contaminants within the concrete slab. Surface Bond is non-toxic and environmentally friendly.

AVAILABLE COLORS

- Neutral Base- Matte Finish

PRODUCT DATA

Volumetric Ratio	1 to 1
Solids	92%(+/- 1%)
Coverage	100 SF/Gal
Application Temperature	55°-90°F
Thinning	Not Required
Pot Life	3 min
Working Time on Floor	15 min.
Cure Time	6-8 hrs (walking) 10-12 hrs (light traffic)
Full Cure	48-72 Hrs
VOct	0
Shelf Life	12 months
USDA Food & Beverage	12 months Meets Req.

APPLICATIONS

- Areas where prep or grinding is not allowed
- Food manufacturing & processing facilities
- Bottling sanitizing & wash areas
- Cold rooms & freezers
- Automobile repair shop
- Chemical processing plant
- Pharmaceutical plants

ADVANTAGES

- Reduces surface prep, expense and project completion time
- Eliminates the need to water prime, acid etch and neutralize
- High resistance to chemical, impact and abrasion
- Superior adhesion to various substrates
- Non-Toxic and environmentally friendly
- Does not support the growth of fungus or bacteria
- Resistant to hydraulic fluid, grease and other hydrocarbon contaminants
- Specified for use with decorative cements and epoxies
- Wide temperature in-service range
- Comes ready to use in 1gal kit or 2gal kit

PHYSICAL PROPERTIES

PROPERTY	VALUE	REFERENCE
Compressive Strength	6,800 psi	ASTM C 579
Flexural Strength	2,700 psi	ASTM D 790
Tensile Strength	2,900 psi	ASTM D 638
Bond to Concrete	400 psi	ASTM D 4541 (Concrete fails at this point)
Impact Resistance	PASS@ 125 mils	ASTM D 2794
Flammability	Self-extinguishing	
Hardness, Shore D	75	ASTM D 2240
Flash Point	>200°F	



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CONCRETE PREPERATION

Before coating is applied, concrete must be:

- Free of dirt, waxes, curing agents and other foreign materials
- Clean – Contaminants removed, acetone wipe
- Profiled – Diamond Grinding not required but thoroughly cleaning surface of all liquids, dirt and debris is mandatory.

APPLICATION INSTRUCTIONS

Pour the entire mixture evenly onto the surface as soon as possible after mixing. Use a notched squeegee designed to distribute material at roughly 100 SF/Gal. Use a medium bristle broom in circular motions to work the product into concrete surface. Back roll to a smooth texture. No sanding is required. Best results are achieved when applied to dampened concrete. This can be done with a pump sprayed. Do not allow puddle water. Concrete should be damp, not wet.

PATCHING

Voids, cracks and imperfections will be seen in finished coating if the concrete is not patched correctly. Patch concrete with E2U Patch. After the patching material is cured, diamond grind patch. If another patching material is used, contact a Mud To Marble technical representative for a compatible and approved alternative.

OPTIONAL TOP COAT APPLICATION

This product is specifically designed to be your base coat, starting point and after curing you can begin whatever system you desire on top. However, you can simply put a top coat pigment sealer on this if so desired. Typical sealers include: Polyasparitic, WB Urethane, and Urethane321

MIXING

Ensure all components are between 55 - 90°F. Surface Bond kits are premeasured, consisting of one jug of resin, one jug of hardener and one bag of C blend. Pour entire contents of Parts A and B into 5gal bucket and mix well for 30 seconds. Slowly add Part C while under agitation. It is important to "wet-out" all parts of mix, scraping the bottom and sides of bucket. Mixing bucket and mixer/blades should be scrapped out thoroughly and cleaned with solvents such as acetone. Prepare only the amount you can use in 10 minutes at 78°F. (Higher temperatures reduce work time). Do not leave the mixed material in the bucket longer than 5 minutes. Incomplete mixing will cause an inconsistent finish.

NOTE: Do not mix this product in direct sunlight or when temperatures exceed 90°F. Set up the mixing station as near to the work area as possible. Exposure to high temperatures will reduce the working time. **DO NOT MIX UNTIL READY FOR IMMEDIATE USE.** If using a drill mixer, use a high speed (1,000 to 1,500 RPM) to ensure thorough mixing

PACKAGING

2 GALLON KIT

PART A 6.8 LB
PART B 6.8 LB
PART C 10 LB



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CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with Xylene or MEK.

WARNING! SLIP AND FALL PRECAUTIONS

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slipresistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Mud To Marble recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Mud To Marble or its sales agents will not be responsible for injury incurred in a slip and fall accident.

Handling Precautions

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin. Some individuals may be allergic to epoxy resin. Protective gloves and clothing are recommended.

WARRANTY

Mud To Marble products are warranted for one year after date of purchase. Please refer to the Limited Material warranty for additional clarification.



MADE IN USA