

BONDING PRIMER

Superior Technology, Ultra-Fast Drying Bonding Primer and Sealer

Technical Data Sheet



Description

The MAJESTIC BONDING PRIMER is a superior technology, ultra-fast drying, water-based acrylic primer with exceptional adhesion properties. It is a one component product, easy to use, with low odor and low VOC. It bonds to substrates that are difficult to adhere to including laminate (Formica). The MAJESTIC BONDING PRIMER is used as a bonding primer coat or a seal coat prior using any of the MAJESTIC TOP PRO, MAJESTIC TOP FLOW, MAJESTIC DEEP POUR 2, MAJESTIC DEEP POUR 1 epoxy products. Other products will also adhere to the MAJESTIC BONDING PRIMER such as paints and lacquers.

The product is suitable for use on laminate, wood, metals, most plastics, fiberglass, tile porcelain and glass. The MAJESTIC BONDING PRIMER formulation is also non-yellowing. The product is available in clear, white and black. Black and white can be mixed to result in any desired shade of grey. Can be used for indoor and outdoor applications as a primer.

Uses

The MAJESTIC BONDING PRIMER provides excellent results for the following applications:

- + Marble-like or any metallic epoxy or countertops directly on laminate
- + Sealer for wood crafting applications
- + Bonding film prior applying epoxy topcoat
- + Bonds to wood, metals, most plastics, fiberglass, laminate, porcelain, glass, etc

Advantages

- + Excellent adhesion, even on the most difficult substrates
- + Can be top coated with MAJESTIC epoxy products
- + Low-VOC
- + Virtually odor free
- + Non-Yellowing
- + Easy application, one component
- + Best leveling in its product category
- + Excellent defoaming
- + Ideal primer for epoxy tabletop or countertop resurfacing systems

Application Data

Mixing	One component
Packaging	845 ml metal container
Color	Clear, White, Black

Coverage / US GAL	Mils (wet)	Mils (solids)	Sq. Ft.
(mils solids is for white)	3	1,7	535
	3,5	2	468
	4	2,3	401

Shelf Life	One year, in original unopened factory pails under normal storage conditions. Protect from freezing. Avoid exposure below 10°C (. Do not use if product temp. is below 15°C.
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Substrat temp	Min 15°C / 59°F, Max 30°C / 86°F
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Cure Time	22°C / 72°F and 30% Rel. Hum.
Pot Life	Unlimited
Working Time	20 min
Tack Free	1 h
Recoat Time	2 - 24 h

Technical Properties

Solids Content	Clear 37% White 57% Black 43%
Viscosity	Clear 2000 +/- 100 cps
VOC Content	76 g/l

Surface Preparation

If the surface is a laminate, it should be abraded with a 60 or 80 grit sanding paper, then wipe off with water or alcohol (IPA). Allow the surface to dry.

Surface should be clean, dry and free of grease, oil, paint, curing agents or any contaminants that may inhibit proper adhesion. Ensure the surface is free of contaminants, and the pores are open to allow the product to penetrate. To open the pores of a substrate it must be sanded prior installation. When applying on non-conventional substrates, proper adhesion and compatibility tests must be performed. Conduct adhesion tests if there is a doubt about surface preparation.

Mixing

Mix thoroughly until a completely homogeneous mixture is obtained, especially when black and white are blended to create a gray shade. It is possible to add up to 15% of water to improve ease of application. Note that adding water to a pigmented version will decrease the opacity of the product.



General Application Guidelines

Apply when air and substrate temperatures are between 15°C / 59°F and 30°C / 86°F. The product can be applied at temperature outside the range but curing performance will be affected.

The product must be applied between 3 and 4 mils per coat (wet). This represents a coverage rate of 400 to 535 sq. ft per gallon or 90 to 120 sq. ft. per 845 ml. If the thickness is less than the recommended range the adhesion might be sub-optimal. Adding up to 15% of water to the product will improve ease of application.

Two coats are recommended to assure a uniform and opaque finish although one coat might suffice especially if the surface to be covered is not a dark color. Dip and roll method must be used along with a foam roll. Note that a regular low nap roller will create an orange peel surface and will make the sanding process more complex prior installing the Flood Coat (see the Epoxy Flood section).

It is recommended to apply the product in a W pattern. Apply evenly without applying pressure to the roller. Avoid creating extra thicknesses or ridges as these will take longer to cure and remain visible after curing.

Recoat

Labsurface's top coat epoxies will bind to the EPOXY PRIMER without sanding if installed within 24 hours. Beyond 24 hours, the floor surface should be sanded/abraded until a uniform dullness is achieved. There should be no gloss on the prior coating after vacuuming and before applying the next coat.

Epoxy Flood Coat

The MAJESTIC BONDING PRIMER can be flood coated with the following epoxy products: MAJESTIC TOP PRO, MAJESTIC TOP FLOW, MAJESTIC DEEP POUR 2 and MAJESTIC DEEP POUR 1. Refer to the technical datasheets of these products prior using them.

The MAJESTIC BONDING PRIMER must be sanded prior to apply an epoxy flood coat. Let dry the last coat of the MAJESTIC BONDING PRIMER for 3 hours or more prior sanding and applying the flood coat. We recommend using a 180 or 240 grit sanding paper.

Important notification

Minimum thickness of 45 mils (single pour) is required when using the MAJESTIC TOP PRO as flood coat.

Seal the Pores

Prior using the MAJESTIC TOP PRO, MAJESTIC TOP FLOW, MAJESTIC DEEP POUR 2, MAJESTIC DEEP POUR 1 products, proper sealing might be necessary to ensure that the flood coat will be free of bubbles. This process can be achieved with the MAJESTIC BONDING PRIMER.

Recoat

If the prior coat has been applied within a window of 2 hours and 24 hours, recoat without sanding. Sanding is required if the last coat of the product has been applied for more than 24 hours. We recommend using a 180 or 240 grit sanding paper. The surface should be sanded/abraded until a uniform dullness is achieved. There should be no gloss on the prior coating after vacuuming and before applying the next coat. Dust must be wiped out prior applying the next coat.

Square Footage

To calculate the square footage that will cover 1 US Gallon (3.78L) of material depending on the thickness, divide the number 1604 by the thickness sought in mils. One mil equals 1/1000 of an inch. For instance, if the thickness sought is 3.5 mils wet total, the calculation is 1604 divided by 3.5 mils equals 468 square feet per gallon. To get square foot coverage per quart of 845 ml at 3.5 mils, the following adjustment needs to be made: $468 \times 0.845L/3.78L = 105$ square feet for each quart of 845 ml.

Clean Up

Warm soapy water is best suited for cleaning. Cured product may be disposed of without restriction. Uncured material should be stored in a suitable and sealed container and may be disposed in accordance with provincial / state/ federal regulations.

Limitations

THIS PRODUCT IS NOT SUITABLE FOR FLOORING APPLICATIONS. Requires a dry substrate. This product should not be applied to substrates that show high levels of moisture/ humidity. This product will take more time to cure in a high humidity environment. Although this product may be applied in a certain range of thickness, limitations may apply when taking into consideration curing time. Everything else being equal, thicker is the film, longer is the curing time. Do not exceed suggested thickness levels. Temperature will also impact curing time. Curing time may extend significantly at lower temperature levels. It is not recommended to install the product on a hot surface. It is recommended sand the product prior installing a flood coat. Keep the product stored at room temperature to ensure consistent results.

**Important notification:**

Minimum thickness of 45 mils (single pour) is required when using the MAJESTIC TOP PRO as flood coat.

Labsurface stands behind the quality of its products. However, Labsurface cannot guarantee final results since Labsurface has no control over surface preparation, operating conditions and application procedures. Clients are solely responsible to test Labsurface's products to determine if they perform as expected. In order to meet our strict requirements, we are continuously testing our coatings and on occasion, formulations may be modified to improve certain properties within each coating. Information and data included in this reference document may not be up to date as of the date of reference. Contact Labsurface for further information regarding the limitations of this product.

Refer to the most recent Material Safety Data Sheet prior using this product.

Available Colors

Clear, White, Black

Labsurface

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