TOP PRO ULTIMATE UV

100% Solids, Non-Yellowing, Stain Resistant,
Very Fast Curing Topcoat

Technical Data Sheet

Description

The MAJESTIC TOP PRO ULTIMATE UV is a non-yellowing, stain resistant and very fast curing two-component (2A:1B) polyaspartic clear top coat designed for tabletops and countertops applications. It as been designed to be installed as a clear coat to protect epoxy surfaces and other substrates. This product is also VOC-free, 100% solids, virtually odor free and food safe. The product is translucid and does not yellow over time. It has better stain resistance and chemical resistance than epoxies. Best suited to protect or resurface several different surface types such as epoxy, wood, concrete, metals and more. The product is easily cleanable. You will also significantly reduce project completion times with the MAJESTIC TOP PRO ULTIMATE UV.

Uses

The chemical and mechanical properties of the MAJESTIC TOP PRO ULTIMATE UV provide excellent results for a number of applications:

+ Tabletop and countertop topcoat
+ Casting topcoat
+ Small encapsulation
+ Furniture
+ Wood crafting
+ Wood, metals, concrete

Advantages

+ Non-yellowing
+ Much better stain and chemical resistance than epoxy
+ Food safe, Bisphenol A free
+ Quick curing, possible to do a surfacing project in one day
+ Best abrasion resistance
+ Best elongation and impact resistance
+ Crystal clear, beautiful surface
+ Cures quickly – recommended to obtain best curing even at very low temperature levels (below 0°C / 32°F)
+ Environment and health friendly (100% solids, VOC-free and no solvent)
+ Virtually odor free
+ Ideal for clear tabletop or metallic epoxy countertop resurfacing systems
+ Superior mechanical and chemical properties, extremely durable
+ Impermeability / low moisture sensitivity
+ High density of the product prevents dirt penetration resulting in low maintenance post application

Application Data

Mix Ratio	2A : 1B
Packaging	1.5 US gallon kit
Color	Clear

Coverage / US GAL	inch	Sq. Ft.
	1/32	51
	1/16	26
	1/8	13

Shelf Life	Six months, in original unopened factory pails under normal storage conditions.
Substrat temp	Min < 0°C / 32°F , Max 30°C / 86°F
Cure Time	**22°C / 72°F and 30% Rel. Hum.**
Working Time	15-20 min
Tack Free	100 min
Recoat Time	100 min to 12 h
Dry Through	4 h

Technical Properties

Hardness ASTM D2240	> 70 Shore D
DE 500 Hr ASTM 3424	< 2
Solids Content	100%
Viscosity	Clear 1000 +/- 100 cps
VOC Content	0 g/l
Gardner Impact	> 150 lbs
Abrasion (1000 cycles) ASTM D4060	40 (mg loss)
Elongation - Ultimate Elongation	25%

Surface Preparation

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, except for encapsulation applications. When applying on non-conventional substrates, proper adhesion and compatibility tests must be performed.

If the product is applied over an existing epoxy system that has been cured for a period longer than 24 hours or over a coat of MAJESTIC TOP PRO ULTIMATE UV that has been cured for more

than 12 hours, it should be sanded with proper equipment. A mechanical bound to a sanded surface is required and the pores of the existing coating must be opened for better adhesion. Vacuum dust and properly wipe the surface prior applying the MAJESTIC TOP PRO ULTIMATE UV. Conduct adhesion tests if there is a doubt about surface preparation.

Mixing

NOTE THAT THE MAJESTIC TOP PRO ULTIMATE UV HAS A SIGNIFICANTLY LOWER POT LIFE THAN EPOXY. THE PRODUCT WILL REACT SIGNIFICANTLY FASTER IN A HUMID AND WARM ENVIRONMENT. BETTER RESULTS WILL BE OBTAINED IN A CONTROLED TEMPERATURE AND HUMIDITY ENVIRONMENT.

DO NOT THIN THE PRODUCT WITH ANY SOLVENT OR ALCOOL AS THIS MAY LEAD TO SOLVENT ENTRAPMENT ISSUES.

Before final mixing, pre-mix part A individually at low speed.

Mix two parts of A and one part of B together at low speed in a separate container. The mixing container must be clean and free of any outside particle.

Mix thoroughly for two minutes until a completely homogeneous mixture is obtained. The speed of the drill must not exceed 300-450 rpm to minimize air entrapment. It is recommended to activate the mixer in the reverse mode after the first 60 seconds for the liquid to mix from the bottom of the mixing can to the top. Make sure to scrape sides and bottom of the mixing container so no unmixed material remains. Only mix the quantity of product required depending on the pot life and the working time required. When pouring the material, never scrape the sides of the mixing container where there is unmixed material. Unmixed material will create soft spot on your work piece. For smaller quantities, mixing by hand for can be considered. Mixing needs to be completed until there is no more cloudiness in the mix.

Seal the Pores

If the application is on a porous surface, we recommend using the MAJESTIC TOP PRO ULTIMATE UV to seal the pores of the substrate since it is self priming. The primer coat and the topcoat will chemically bond together as long as recoat times are respected.

Applying the Clear Coat

The clear coat can be applied using a foam brush, squeegee or a trowel (to minimize air entrapment) at a thickness of up to 1/8" and will provide a smooth surface ideal for table and epoxy countertop surfacing. With those thickness levels, it is imperative to use a torch or a heat gun to burst bubbles that are forming at the surface of the film. This process will also flatten the surface. This product has not been formulated to be installed directly on Formica. However, it is compatible with our bonding primer.

If installed thin, squeegee and backroll the product. You may still have to torch the surface if there are bubbles.

During installation, avoid excessive handling of the product to limit the entrapment of air in the film. Air entrapment can affect the appearance of the surface during the curing process.

Recoat

Sanding is required if the last coat of the product has been applied for more than 12 hours. It will adhere on epoxy without sanding if the epoxy has been cured for a period longer than 24 hours. 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. Use a non oily solvent and a dry rag/swab to wipe the surface.

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 1/8 inch, the calculation is 1604 divided by 125 mils (1000 x 1/8) which equals to 13 square feet per gallon.

Clean Up

We recommend using solvent or alcohols to clen up. Do not use Acetone. Excess material (A and B) should be mixed together and allowed to cure. 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.

IMPORTANT Limitations

NEVER USE ACETONE TO CLEAN THE MAJESTIC TOP PRO ULTIMATE UV. PH NEUTRAL SOAP WITH A SOFT FIBER RAG SHOULD SUFFICE.

NOTE THAT THE MAJESTIC TOP PRO ULTIMATE UV HAS A SIGNIFICANTLY LOWER POT LIFE THAN EPOXY. THE PRODUCT WILL REACT SIGNIFICANTLY FASTER IN A HUMID AND WARM ENVIRONMENT. BETTER RESULTS WILL BE OBTAINED IN A CONTROLED TEMPERATURE AND HUMIDITY ENVIRONMENT.

DO NOT THIN THE PRODUCT WITH ANY SOLVENT OR ALCOOL AS THIS MAY LEAD TO SOLVENT ENTRAPMENT ISSUES.

IF AN EXTERIOR PROJECT IS CONSIDERED DO NOT EXCEED 30 MILS.

Requires a dry substrate. This product should not be applied on any substrate with high moisture/humidity levels. Everything else being equal, thicker is the film, longer is the curing time. Drying time will be faster in a hot and/or humid environment. Conversely, the drying time will be longer in a cold and/or dry environment. Do not clean the finished surface during the week following installation. Keep the product stored at room temperature.

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

Labsurface

101-1079 des Forges, Terrebonne, QC, Canada J6Y 0J9
Phone: 450-966-9000 / Fax : 450-621-3135
Labsurface.com