

# LOGGIN TABLETOP

100% Solids, UV Resistant, Self-Defoaming Topcoat

## Description

The LOGGIN TABLETOP is a two-component (2A:1B) epoxy system designed for tabletops, countertops and various artwork crafting applications which is VOC-free, 100% solids and is virtually odor free. The product is translucent and displays an excellent resistance to UV irradiation (excellent color retention over time). Best suited to protect or resurface several different surface types such as wood, metals, laminate (Formica), concrete and more. The product is easily cleanable. The LOGGIN TABLETOP is a self defoaming product. The use of a torch is not required.

## Uses and Substrates

The LOGGIN TABLETOP provides excellent results for the most demanding applications:

- + River tables
- + Tabletop and countertop resurfacing
- + Casting (top coat)
- + Furniture
- + Wood crafting
- + Art painting
- + Wood, metals, concrete, plastics, fiberglass, painting, granite, laminate (see Laminate/Formica Application section), artwork, fabrics, etc.

## Advantages

- + Offering one of best UV resistance in the industry for a self defoaming epoxy
- + Crystal clear, beautiful surface, auto defoaming
- + Environment and health friendly (100% solids, VOC-free and no solvent)
- + Food safe
- + Virtually odor free
- + Easy application with long pot life and working time (60 minutes)
- + Ideal for resurfacing tables or countertops (clear or metallic)
- + Good elongation and excellent abrasion resistance
- + High resistance to amine blush and contamination (fish eyes)
- + Very good air release qualities
- + 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 kits (1 Gal + 0.5 Gal) 3 US gallon kits (3 x 3,78L)	
Color	Clear, Metallic Colors	
Solids Coverage / US GAL	<u>inch</u>	<u>Sq. Ft.</u>
	1/64	106
	1/32	51
	1/16	26
	1/8	13
Shelf Life	One year, in original unopened factory pails under normal storage conditions	
Substrate temp.	Min 16°C / 61°F, Max 30°C / 86°F	
Cure Time		
Working Time	60 min	22°C / 72°F and 30% Rel. Hum.
Tack Free	9 hours	22°C / 72°F and 30% Rel. Hum.
Recoat Time	9-24 hours	22°C / 72°F and 30% Rel. Hum.
Dry Through	13 hours	22°C / 72°F and 30% Rel. Hum.

## Technical Properties

Hardness	ASTM D2240	80	Shore D
Elongation	ASTM D412	7	%
Tensile Stress	ASTM D412	8000	PSI
DE 500 hr	ASTM 3424	7	
Solids Content		100%	
Viscosity	Clear	800 +/-50	cps
VOC Content		9	g/l

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## 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 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.

If the product is applied over an existing epoxy flooring system that has been cured for a period longer than 24 hours, it should be sanded with a proper equipment. A mechanical bond 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 LOGGIN TABLE TOP. Conduct adhesion tests if there is a doubt about surface preparation.

## Mixing – Clear Topcoat

Pot life decreases if a larger amount of material is mixed at the same time. Pot life also decreases if ambient temperature is high. Thorough mixing is required until there is no more cloudiness when looking closely at the mix.

When a low-speed drill is used, pre-mix part A individually in its original container at low speed (300- 450 rpm) for two minutes.

Then, 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 a minimum of three minutes, until a completely homogeneous mixture is obtained. The speed of the drill must not exceed 300-450 rpm to minimize the entrapment of air. It is recommended to activate the mixer in the reverse mode after the first 90 seconds for the liquid to mix from the bottom of the mixing can to the top. Make sure to scrape sides and bottom of mixing container so no unmixed material remains. Mix only the necessary quantity to be used according to the specified pot life / working time. We recommend using a low-speed drill for best results.

If mixing by hand, mixing should be done for 4-5 minutes for Part A separately and an additional 4-5 minutes for Parts A and B mixed together. When you mix by hand, never mix more than 0,5 gallon at a time, ideally mix one quart at a time. Mixing quantities can be larger for experienced users. Mixing should also be completed until there is no more cloudiness when looking closely at the mix. When pouring the material, never scrape the sides of the mixing container where may be unmixed material. Unmixed material will create a soft spot on your work piece.

## Mixing – Topcoat with Metallic Pigments

Read the Mixing – Clear Topcoat No Metallic Pigments Section first.

Before starting to mix, make sure the ambient and the temperature of the surface to be coated is between 16 and 22 degrees Celsius. The warmer the surface to be covered, the greater the risk of unwanted circles appearing on the film. We recommend the use of a low-speed drill for best results. With a clean mixing tool, mix part A individually at low speed (300- 450 rpm) for two minutes. Then add the MAJESTIC metallic pigments in part A. With a clean mixing tool, mix for two minutes or more. These premixing steps should be performed to minimize unwanted effects including circles or comet drags. In a clean container free of any external particles, combine two parts A to one part B. With a clean mixing tool, mix thoroughly for three minutes or more, until a completely homogeneous mixture is obtained. Use a low-speed drill type mixer (300-450 rpm) to minimize air entrapment in the product. It is recommended to activate the mixer in the reverse mode after the first 90 seconds for the liquid to mix from the bottom of the mixing can to the top. Make sure to scrape sides and bottom of mixing container so no unmixed material remains. Only mix the quantity of product required depending on the pot life and the working time required.

## Seal the Pores

We recommend using the LOGGIN TABLETOP as a primer coat to seal the pores of the substrate. Proper sealing is necessary to ensure that the next coat (the flood coat) will be free of bubbles. The primer coat can be applied with a brush or a roller. It needs to be applied in a thin coat. The flood coat can be applied when the primer coat (the coat used to seal the pores) is past its tack free point. If the primer coat has been applied more than 24 hours, it is recommended to sand the primer coat prior applying the flood coat.

## Applying the Topcoat

The topcoat can be applied using a foam roller or a squeegee. The transparency and viscosity of the product allow pours that can reach up to 1/8 in. thick. The surface is smooth, crystal clear and bubble free which is ideal for woodworking, art and hobby applications. 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. To obtain depth and a smooth finish, it is recommended to apply a thick layer. The use of a torch is not required.

## Laminate/Formica Application

Experienced users can use the LOGGIN TABLETOP on existing laminate (Formica) countertops. A variety of colors can be used, and marble-like effects can be achieved with the use of the LOGGIN Metallic Pigments. Before applying the product on a laminate

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countertop, the existing countertop needs to be primed with the LOGGIN BONDING PRIMER. Please refer to the LOGGIN BONDING PRIMER Technical Datasheet for installation details.

## Recoat

It is possible to recoat without sanding if the prior coat has been applied within a window of 9 hours and 24 hours. We nevertheless recommend to sand between coats to optimize the aesthetics of the project. Sanding is required if the last coat of the product has been applied for more 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. 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 1/8 inch, the calculation is 1604 divided by 125 mils (1000 x 1/8) which equals to 12.8 square feet per gallon.

## Clean Up

Denatured alcohol is best suited for cleaning. 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

Cannot be used for exterior applications even under a shaded area. When exposed to sun and weather changes to product will yellow faster and the surface will turn whitish. The film will also lose its mechanical and chemical resistance properties. Not recommended for encapsulation applications. Requires a dry substrate. This product should not be applied to substrates that show high levels of moisture/humidity. Although this product may be applied in a wide range of thickness, limitations may apply when curing time is taken into consideration. Everything else being equal, thicker is the film, quicker is the curing time. Drying time and pot life will be reduced in a hot environment. Conversely, the drying time and the pot life will be longer in a cold environment. Never apply epoxy with a substrate and ambient temperature below 16 degrees Celsius. When applying on non-conventional substrates, proper adhesion and compatibility tests must be performed. Do not clean the finished surface during the week following installation. Keeping the product stored at room temperature will make the application easier and dry times shorter.

## Available Colors

Clear

Metallic Colors

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

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