



VARATHANE® SUPER GLAZE

DESCRIPTION AND USES

Varathane® Super Glaze is an ultra-thick high gloss clear epoxy that provides exceptional durability. Ideal as a waterproof finish for table and bar tops, it is also great for crafts and furniture refinishing. Super Glaze can be used over almost any interior surface; from rough and unfinished to stained, painted or smooth surfaces. Super Glaze is recommended for indoor use only and is not recommended for use on wood floors.

PRODUCTS

SKU	DESCRIPTION (1 Quart Kit)
241352	Crystal Clear
363902	Charcoal
363903	Classic Gray
363904	Aged Brown
369293	Turquoise
370905	Metallic Blue

PACKAGING

Super Glaze is available in a 1-quart kit (0.95 liters)
 1-Pint Part A: Base – 16 fluid ounces (0.47 liters)
 1-Pint Part B: Activator – 16 fluid ounces (0.47 liters)

REQUIRED TOOLS

- Disposable (unwaxed) mixing cups or buckets with volume measurements
- Flat sided stir sticks or paint paddles (not power assisted)
- Plastic spreader or squeegee
- Masking Tape
- Small disposable paint brush for edge work.
- Latex, vinyl, or chemical resistant gloves
- Plastic drop cloth, newspaper, or waxed paper
- Level
- Eye protection

BEFORE USING SUPER GLAZE

For best results use when project surface, material and room temperatures are between 70°F to 90°F (21-32°C) and the humidity is below 85%.

Thick or solid unmixed material can be thinned by running the sealed unmixed containers under hot tap water. Allow material to cool to room temperature before using.

If applying over a previous finish, test a small application in an inconspicuous area to confirm compatibility with Super Glaze.

When using over polyurethane or acrylic finishes, lightly sand the surface and remove all sanding dust prior to applying the Super Glaze.

Multiple coats can be applied to achieve an even deeper finish. Wiping surfaces with alcohol or acetone between coats will ensure maximum adhesion.

PRODUCT APPLICATION

SURFACE PREPARATION

Surface must be level and dry. Clean and remove any oil, dust, dirt, or wax from the surface. Cover the surrounding area with waxed paper, newspaper, or a drop cloth.

NOTE: Before finishing porous surfaces, a clear sealer coat is recommended. Certain woods with open grains (such as oak and walnut); porous fabrics, and paper will allow air to escape and cause bubbles in the surface. These air passages must be sealed with a thin coat of Super Glaze prior to a full flood coating. Mix approximately ¼ the amount required for a full coating and spread a thin layer over the entire surface. Allow to cure 4-5 hours at 70°F (21°C) in a dust free area prior to applying the remaining ¾ of the kit.

Before pouring, wipe the surface clean with alcohol or acetone to remove any remaining dust to ensure maximum adhesion. Protect the surface sides and edges with several layers of masking tape. This will allow drips to be removed with tape once cured. Drips may also be scraped off with a putty knife about 30-40 minutes after pouring or may be sanded from the completely cured surface.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

MIXING

DO NOT SHAKE OR POWER MIX. Shaking and/or power mixing will result in excessive bubble development.

The resin and activator mixture produces heat. The larger the mixture, the more heat that is generated and the more restricted your work time. Mix smaller batches to ensure ample working time.

MEASURE: Pour equal amounts of resin (Part A) and activator (Part B) into separate mixing cups, buckets, or containers.

IMPORTANT: Mix must be equal parts base to activator (1/1 ratio) by volume. Use a calibrated container to ensure equal volumes.

COMBINE & MIX: Carefully pour the measured resin (Part A) into the container with measured activator (Part B). **Mix thoroughly and gently with a stir stick for a minimum of 3 minutes** (no more than 5 minutes). Gentle mixing will minimize air bubbles in the mixture and resulting finish. Be sure to scrape the sides and bottom of the container when mixing. **NOTE:** If the initial mixture appears hazy, stir until the mixture is completely clear.



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PRODUCT APPLICATION (cont.)

MIXING (cont.)

TRANSFER & MIX: Pour the Mixed Resin and Activator into a clean container. Be sure to mix thoroughly with a stir stick for an additional 3 minutes. Try to limit air bubbles from entering the mixture. (Do not use a power-driven mixing device).

APPLICATION

POUR & SPREAD: Super Glaze will begin to cure as soon as it is mixed; therefore, it is best to pour immediately after mixing. The working time is 20 to 25 minutes at 70°F before the product begins to harden and becomes unworkable. If temperatures are above 70°F the working time will be shorter. Pour the mixture into the center of work area then spread with a plastic spreader or rubber squeegee. For best results, spread mixture in a single direction over the entire surface. Do not continue to spread material once it starts to set up. Otherwise it will not self-level during the curing process.

Recommended thickness for Super Glaze is around 1/16 of an inch, (thickness of a penny). A quart kit will cover approximately 6.2 square feet.

Allow the sealer to cure for at least 4-5 hours in a dust free area before additional layers of Super Glaze are applied.

SURFACE AIR BUBBLES: Most air bubbles created during the mixing process should naturally rise to the surface and disappear once the mixture is poured. While spreading, blow lightly on the mixture. This will help bubbles rise to the surface and disappear. Work quickly. Once the surface begins to dry, any remaining bubbles will be trapped in the finish and become surface dimples once fully cured.

PRODUCT APPLICATION (cont.)

APPLICATION (cont.)

SURFACE AIR BUBBLES (cont.): Surface bubbles MUST be removed when the surface is still wet. Once the surface begins the curing process the bubbles will turn into dimples once fully cured. A hair dryer on high heat can aid in removing bubbles from a freshly coated surface. Hold approximately 4-6 inches away from the coating and use a gentle sweeping motion across the surface until the bubbles are gone. This process can be repeated as long as the coating is liquid. The hair dryer should never be held in one place too long as this can damage the surface of the coating.

TABLETOPS & OTHER LARGE ITEMS: It is not recommended to more than one kit at a time. Large surface applications will be a multi-step process. Mix, pour and spread the first section of Super Glaze, then immediately start mixing the next batch. Once mixed, pour onto the next section, allowing the sections to flow together. Follow this process until the entire surface is covered. It is important that the layers be allowed to flow into each other, but not applied on top of each other while they are still wet. Pour in smaller sections, spreading the Super Glaze together to achieve a more uniform thickness.

CLEAN UP

Super Glaze must be cleaned while still in its liquid state. Acetone or alcohol will work best for tool and work area clean up. Wash hands and exposed skin thoroughly with soap and water after handling Super Glaze.

DRY TIME

Keep project free of dust and debris for a minimum of 8 hours after applying product. Dry to touch in 4-5 hours. Full cure in 72 hours.

	TECHNICAL DATA	VAR-110
	VARATHANE® SUPER GLAZE	

PHYSICAL PROPERTIES

		SUPER GLAZE
Resin Type		Epoxy
Pigment Type		Varies by color
Weight	Per Gallon	8.8 lbs.
	Per Liter	1.05 kg
Solids	By Weight	94.5%
	By Volume	95.2%
Volatile Organic Compounds		<100 g/l
Mixing Ratio		1:1 Base to Activator (by volume)
Recommended Dry Film Thickness (DFT) per Coat		61.5 mils
Wet Film to Achieve DFT (Unthinned material)		64.6 mils
Practical Coverage at Recommended DFT (assume 15% material loss)		6.2 sq. ft./quart
Pot Life @70°F (21°C) and 50% Relative Humidity		20-25 minutes
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	4-5 hours
	Full Cure	72 hours
Shelf Life		2 years
Flash Point		Base Component >200°F (>93°C) – Activator Component 181°F (83°C)
Safety Information		For additional information, see SDS

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