

COUNTERTOP EPOXY

2:1 EPOXY SYSTEM

RESIN & CURING AGENT INSTRUCTIONS

READ ALL INSTRUCTIONS CAREFULLY BEFORE USING THIS PRODUCT

Countertop Epoxy is a premium countertop coating system that is incredibly heat and scratch resistant! Compatible with most substrates, this product is perfect for kitchen and bathroom countertops.

SUGGESTED MATERIALS NEEDED

- ▶ Superclear WB Primer & Sealer
- ▶ Drill mixer
- ▶ Mix and measure buckets
- ▶ Notched trowel for spreading the epoxy
- ▶ Superclear or Isopropyl Alcohol (90% or Higher)
- ▶ Disposable Gloves
- ▶ Safety protection

INFORMATION TO KEEP IN MIND

Inaccurate measuring or improper mixing are the most common causes of poor results. This product **MUST** be used in a 2:1 ratio by volume and thoroughly mixed. For best results, mix resin and hardener in one bucket and transfer to a clean bucket and mix again. Working temperatures are between 70-84°F.

DIRECTIONS

STEP 1:

Using the Coverage Chart, determine the amount of epoxy you will need for your project. Be sure to use Superclear WB Primer & Sealer first to prepare your surface for best results! Make sure to lightly sand your countertop surface first to assist with primer bonding. Once sanded, wipe with Isopropyl Alcohol (90% or higher), or our Superclear Product and a clean towel. Create a tape dam on all sides where product cannot run off.

STEP 2:

The ideal working temperature is generally between 70°F and 84°F, but best results can be obtained at 70-74°F in a clean, dry, dust-free environment. Avoid working in high humidity. Make sure your surface is completely level, as the epoxy will self-level.

STEP 3:

Measure 2 parts Resin to 1 part Activator and pour into a clean, dry bucket or cup. Stir the mixture for at least 5 minutes with a drill mixer set to low. Ensure you are not whipping air into your epoxy. Be sure to scrape the sides and bottom to ensure all of your epoxy is properly mixed.

STEP 4:

Transfer contents to a new, clean, dry bucket or cup and continue mixing for 3 more minutes to ensure proper mixing, again scraping sides and bottom.

STEP 5:

Once the epoxy is fully mixed, add pigment and mix again, scraping the sides of the mixing container. Any undispersed clumps of pigment will not cure properly.

STEP 6:

Pour onto the primed surface in zig zags and spread thin with a notched trowel.

STEP 7:

Use a heat gun sparingly to pop surface bubbles. Do not hold the heat source in one place for too long to avoid "cooking" the epoxy.

STEP 8:

Spray Superclear or Isopropyl Alcohol (90% or higher) onto Countertop Epoxy **AFTER** popping the bubbles to activate the pigment. **DO NOT USE HEAT AFTER SPRAYING ALCOHOL.** Alcohol is flammable and may ignite.

STEP 9:

Once the epoxy has started to gel (slightly thicken), remove your tape dams to allow the product to flow over the sides to cover those sides. You can use a gloved hand to wipe material on the side to get full coverage.

STEP 10:

If you are going to make a second pour, the first pour should still be lightly sticky. This is generally between 6-10 hours after your initial pour. Once the second pour is made, bubbles may once again need to be removed. Material will feel well-cured after 24 hours, but full cure and maximum hardness can require up to 7 days depending upon the temperature.

PRO TIPS

- ▶ If you're new to epoxy, try mixing and pouring in smaller batches until you're comfortable to move onto bigger pours.
- ▶ Imprecise mixing and measuring are the most common reason for poor results. After Mixing, when pouring, do not scrape the sides. This can include unmixed epoxy into your project that can have negative effects.

COVERAGE CHART

Measured in Inches and Square Feet

Laminate Thickness	Gallon Kit	3 Gallon Kit
1/4"	6 sq. ft.	18 sq. ft.
1/8"	12 sq. ft.	36 sq. ft.
1/16"	24 sq. ft.	72 sq. ft.
1/32"	48 sq. ft.	144 sq. ft.

FAQ's

HOW LONG DOES IT TAKE TO CURE?

The product will begin to gel between 80-120 minutes and fully cure within 24 hours in ideal conditions, dependent upon temperature, humidity, mass and airflow. Wait 5-7 days before placing anything hot or heavy on the surface.

HOW LONG DO I HAVE TO MIX IT?

You need to stir it with by hand for a minimum of 5 to 8 minutes, scraping the sides and bottom thoroughly throughout while mixing. When pouring, we do not recommend scraping the sides. Doing so can risk mixing in unmixed, unincorporated epoxy into your pour, thus creating curing issues.

CAN I MIX PIGMENT/DYE/MICA POWDER?

You can mix nearly all alcohol dye's, mica powders, and liquid pigments with our product, not to exceed 12%. However, we do not recommend acrylic based colorants as they can negatively react with the epoxy.

CAN I ADD ANOTHER LAYER TO THE SURFACE?

Yes! Simply wait until the pour is tacky and nearly hard and pour your next layer. If the product is already hard, lightly sand with 240 grit sandpaper and wipe it down with Isopropyl Alcohol 90% or higher before adding additional layers, which helps with the adhesion between the two layers.

CAN I USE THIS ON TOP OF AN OIL BASED STAIN?

No, epoxy will not adhere to oil based stains.

DO YOU NEED TO APPLY A SEAL COAT?

We always recommend priming and sealing, which is a very thin coat of Superclear WB Primer & Sealer applied to the surface to prevent air bubbles and any residual moisture from the substrate getting into your pour. Sometimes a second coat is needed to ensure a good seal.

IT'S COLD AND THE EPOXY IS REALLY THICK, WHAT DO I DO?

Under 65 degrees, our epoxy may start to thicken up. You may even see some crystallization. Don't worry, the epoxy is perfectly fine! Before mixing, bring a pot of water up to a steady 130F, and then put each bottle of epoxy in there until they come up to temp between 75-80F per bottle. Do not mix first and then bring up to temp. Once the epoxy is up to temp, you can now begin the mixing process.

HOW CLEAR IS YOUR EPOXY?

Our epoxies are the clearest epoxy on the market with breathtaking clarity and long-lasting beauty.

CAN I APPLY IT OVER WOOD, CONCRETE AND FORMICA?

Absolutely! With any surface, you want to ensure the surface is clean and dry before applying. As always, we recommend a priming and sealing coat before applying thicker coats. When necessary, fill in any cracks or divots to create a smooth, even surface.

HOW THICK CAN I POUR IT?

You can pour up to 1/4" thick per pour, depending on ambient temperature and total mass. Much thicker than most competitors! The mass for a 1/4" pour varies depending on temperatures and conditions. The greater the volume or thickness of your pour, the lower your temperatures should be. If you have never poured as thick as 1/4", we suggest you try it on a smaller scale to understand how it will cure in your particular environment.

WHAT IS THE WORKING TIME FOR THIS PRODUCT?

Countertop Epoxy will begin to thicken within 80 minutes to 2 hours, depending on volume and ambient temperature. Expect a shorter working time for larger volumes or higher temperatures.

CAN I ALWAYS POUR IN TEMPERATURES BETWEEN 70°-84°F?

Ideal working temperatures are generally 70°F to 84°F, but the exact temperature for your application is dependent on the total volume and depth of the project. The greater the volume or thickness of the pour, the lower your temperatures should be. Always pour in a temperature controlled environment. For large pours, set up fans to allow for air circulation.

SHOULD I ALLOW THE EPOXY TO REST BEFORE POURING?

Because epoxy is a mass dependent product, it will heat up much faster while in larger volumes. Immediately after mixing, pour the epoxy onto your application. Failure to do so may result in flash curing or produce excessive bubbles.

WHAT IF I CHIP THE EPOXY?

Not a problem. This is easily fixed by rough sanding the area, clean the area with Isopropyl alcohol, and then repour more of our epoxy. Let that cure. Sand down to desired surface, and then buff to your desired shine.

WHAT IF I SCRATCH THE EPOXY?

Imperfections on the surface can be sanded out with a 400-800 or higher grit sand paper and then buffed and polished out.

WEATHER WARNING

It is extremely important to ensure your epoxy, and your project, stay within the recommended temperature ranges for your application during the curing process.

WARM WEATHER


Overheating will result in much quicker cure times, severe cracking, extreme shrinking, or unusual amounts of bubbles and clarity issues. The following tips may help to better deal with warmer weather:

1. Never pour outside if you can help it, and especially when the temperature is above 84F.
2. Allow airflow to circulate around the project. This allows the epoxy to properly exotherm and release heat without overheating.
3. Additionally, you can use fans to further circulate cooler air within your pour space to assist with any potential overheating.

COLD WEATHER

Excessively cold temperatures will result in much slower cure times, no curing, or unusual amounts of bubbles and clarity issues due to thicker epoxy. The following tips may help to better deal with colder weather:

1. If epoxy is thick, set epoxy bottles in a hot water bath around 130F until the water and epoxy cools back down to around 75F. Remove from water bath, dry bottles and follow pouring instructions.
2. If you have trouble with ambient room temps, try using a temp controlled heat mat under your mold. Be safe, and keep it between 70F and 75F.
3. Temperatures affect cure times, so a warmer product will cure faster than a colder product. Be sure to plan accordingly.



DISCLAIMER: While this product can be used in a variety of applications, not all users or environments are the same. As such, specific directions for all individual users might not be addressed here. If there are any questions this document does not answer, pertaining to the individual customer's application, it is the customer's sole responsibility to contact us directly with any technical questions and procedures prior to the application of this product. See back of pamphlet for various means to obtain further information and or contact us directly; we offer FAQ's on our website and technical service via E-mail or phone Monday through Friday, 9am-4pm EST.

CAUTION!



- ▶ Do not expose the product to direct sunlight.
- ▶ Keep container closed to prevent contamination.
- ▶ May cause eye and skin irritation. Use this product only in a well-ventilated area with protective gloves and eye protection.
- ▶ Do not eat, drink or smoke while using this product.
- ▶ When mixed in very large masses, this product can generate excessive heat. Handle with caution.
- ▶ Dispose of containers and contents in accordance with all Federal, State and Local regulations.

SHELF LIFE

Unopened: 6 - 12 months*

Opened: 3 - 6 months*

**depending on how the product is stored.*



For more product information, please visit:

www.SuperEpoxySystems.com

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