

COLD WEATHER EPOXY WARNING

Using epoxy in colder weather can pose its own challenges. With dropping temps, it is extremely important to ensure your epoxy, and your project, stay within the recommended temperature range during the curing process.

Failing to do so will result in much slower cure times, no curing, or unusual amounts of bubbles and clarity issues due to thicker epoxy.

TIPS FOR DEALING WITH COLDER WEATHER

1. **ALWAYS** pour in a temperature controlled environment with an ambient temperature of 70°F - 84°F, depending on pour volume.
2. If epoxy is thick, warm epoxy bottles in warm water and bring to between 72°F and 75°F. Remove from water bath, dry bottles and follow pouring instructions.
3. If you have trouble with ambient room temps, try using a temp controlled heat mat under your mold. Be safe, and keep it between 70°F and 75°F.
4. Temperatures affect cure times, so a warmer product will cure faster than a colder product. Be sure to plan accordingly.

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.



For more product information, please visit:

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Product/Document #: 151539



DESIGNER ART RESIN

- **CERTIFIED ART RESIN**
- **CERTIFIED FOOD SAFE,
(CONDITION OF USE E)**
- **USFDA 21 CFR 175.300
ASTM D-4236**

1:1 EPOXY

RESIN & CURING AGENT INSTRUCTIONS

READ ALL INSTRUCTIONS CAREFULLY BEFORE USING THIS PRODUCT

Superclear Designer Art Resin is perfect for almost all substrates like wood, stone, cement, most metals, plastic, and also works beautifully in silicone molds. Great example applications are Tumblers, Paintings, Coasters, and Small Jewelry. Note: it does not adhere to any oil base stain. If you are unsure of adhesion to a substrate, sand the substrate first to create a mechanical bond.

SUGGESTED MATERIALS NEEDED

- ▶ Stir sticks, spatula, and tongue depressors
- ▶ Mix and measure buckets (minimum of 3 recommended)
- ▶ Superclean (Our signature multi-purpose cleaning solution)
- ▶ Squeegee or foam brush for spreading the epoxy
- ▶ Drop cloth or plastic sheeting for easy clean up
- ▶ 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 1:1 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 before pouring. Ideal working temperature is 77 degrees.

DIRECTIONS

STEP 1:

Best results can be obtained at temperatures between 70°F and 85°F, in a clean, dry, dust-free environment. Avoid working in high humidity. We recommend using this product on a leveled and flat work surface.

STEP 2:

Prepare 1 part Base Resin to 1 part Curing Agent by liquid volume or 100 parts Base Resin to 83 parts Curing Agent by weight. Pour the Curing Agent first and then the Base Resin into a clean, smooth sided container large enough to hold all the liquid and allow room for mixing. We do not recommend mixing more than a half-gallon in a single container, as this product is mass dependent.

STEP 3:
THE MATERIAL MUST BE MIXED THOROUGHLY FOR A MINIMUM OF 3 MINUTES. Be sure to scrape the container sides, bottom, and corners as you mix. Be careful to not whip excessive air into the mixture.

STEP 4:
Pour the mixed resin onto the surface and distribute evenly with a squeegee or tool of your choice. Continue to pour remaining material to achieve the desired thickness, (up to 1/4”) allowing the resin to flow evenly over the project’s sides.

STEP 5:
To remove bubbles, allow for them to rise (about 2 minutes). Then sweep your heatgun from side to side, at least 6” away from the epoxy. DO NOT try to “work out” the bubbles with your heatgun. Bubbles can only be popped once they reach the surface.

STEP 6:
If you are going to make a second pour, the first pour should still be lightly sticky. Once the second pour is made, bubbles may once again need to be removed. Material will feel well-cured after 24 hours, 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 projects.
- ▶ Use a fan to help with airflow, and reduce the heat caused by the exothermic reaction.
- ▶ If using a mold for a large pour – elevate your mold off of your main surface (i.e. table) to allow airflow to assist in dissipating heat from the exothermic reaction.
- ▶ 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	Pint Kit
1/4”	6 sq. ft.	1-1/2 sq. ft.
1/8”	12 sq. ft.	3 sq. ft.
1/16”	24 sq. ft.	6 sq. ft.
1/32”	48 sq. ft.	12 sq. ft.

FAQ’s

HOW LONG DO I HAVE TO MIX IT?
You need to stir it by hand for a minimum of 3 minutes, scraping the sides and bottom thoroughly throughout. 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.

HOW LONG DOES IT TAKE TO CURE?
The product will begin to harden within the first 1-1.5 hours, in ideal conditions, but takes 24 hours to completely cure, dependent upon conditions like constant temperature, humidity, mass and airflow.

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 APPLY IT OVER WOOD, CONCRETE AND COUNTERTOPS?
Absolutely! With any surface, you want to ensure the surface is clean and dry before applying. As always, we recommend a seal coat before applying thicker coats.

CAN I PAINT OVER THE EPOXY?
Yes, you can paint over it once it has completely cured. This can also be applied over paint (not oil based paint).

DO YOU NEED TO APPLY A SEAL COAT?
If working with a porous surface we recommend a seal coat, which is a very thin coat of Designer Art Resin applied to the surface to prevent air bubbles and any residual moisture from the substrate getting into your thick pour. Make sure that the pour surface on your substrate is properly sealed. You can use our SuperClear Designer Art Resin to easily seal by applying with a paint brush.

IT’S COLD AND THE EPOXY IS REALLY THICK, WHAT DO I DO?
Under 70 degrees, our epoxy may start to thicken up. You may even see some crystalization. Don’t worry, the epoxy is perfectly fine! Before mixing, bring a pot of water up to a steady 75-80 degrees, and then put each bottle of epoxy in there until they come up to temp between 75-80 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 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. If you have never poured a deep pour at 1/4”, we suggest you try it on a smaller scale to understand how it will cure in your particular environment.

HOW CLEAR IS YOUR EPOXY?
Our epoxies are the clearest epoxy on the market with breathtaking clarity and long-lasting beauty to preserve or create your art!.

CAN I USE THIS ON TOP OF AN OIL BASED STAIN?
No, epoxy will not adhere to oil based stains.

WHAT IF I CHIP THE EPOXY?
Not a problem. This is easily fixed by rough sanding the area, cleaning the area with Isopropyl Alcohol 90% or higher, and then repouring more of our epoxy. Let that cure. Sand down to desired surface, and then buff to your desired shine.



WARM WEATHER EPOXY WARNING

Using epoxy in warmer weather can pose its own challenges. With rising heat, it is extremely important to ensure your epoxy, and your project, stay cool during the curing process.

Failing to do so will result in much quicker cure times, severe cracking, extreme shrinking, unusual amounts of bubbles and clarity issues.

- TIPS FOR DEALING WITH WARMER WEATHER
1. Never pour outside if you can help it, and especially when the temperature is above 84°F.
 2. Pour in a temperature controlled environment with an ambient temperature of 70°F - 84°F.
 3. Elevate your mold off of a flat surface to create airflow underneath. This allows the epoxy to properly exotherm and release heat without overheating.
 4. Additionally, you can use fans to further circulate cooler air within your pour space to assitst with any potential overheating.