

FAQs

How do variations in temperature affect epoxy resin?

Fluctuations in temperature affect epoxy resin's application and curing. Cooler temps result in thicker material that doesn't flow as smoothly, may have self-leveling issues and takes longer to cure. Warmer temps make epoxy resin cure more quickly. For best results, use in an environment of ~75 degrees F.

Can more than one coat of epoxy resin be applied? How is this accomplished?

Yes, epoxy resin may be applied in as many coats as a project requires. The key to this process is whether the prior layer has fully cured or not. If the previous coat is still tacky to the touch - another layer may be added directly on top. However, if the prior coat has fully cured, it must be sanded to give the new coat a surface to adhere to. You will want to use 200-300 grit sand paper.

Can epoxy resin be colored or otherwise accented?

Of course! There are a wide variety of materials that may be used to tint epoxy resin such as:

- Pigment Powder
- Mica Powder
- Liquid Resin Dye & Alcohol Inks
- Acrylic Paint

Homemade pigments include powdered and liquid makeup, colored chalk dust, wood shavings, food coloring and paint. Glitter, sea glass, bits of shell and other items may be added before curing as well.

More FAQ details may be found on our website: <https://support.promarinesupplies.com/hc/en-us>

For more information, questions or comments, visit:

promarinesupplies.com

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ProMarine

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Thank You for choosing ProMarine Supplies ProArt Epoxy Resin!

This guide is designed to help you easily and safely get started on your epoxy resin project.

Complete details, and FAQs may be found on our website: www.promarinesupplies.com.

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Getting Started

Safety First - While ProMarine epoxy resin contains no Volatile Organic Compounds (VOCs), there are several safety steps that should be taken when working with this material:

- Wear Protective Glasses & Gloves
- Work in a Well-ventilated Area

Work Area Preparation - Project area should be clean & dry, dirt & dust-free, & level for best results as epoxy resin is self-leveling. Wax Paper is recommended to protect surfaces.

DO NOT USE THIS PRODUCT OVER OIL-BASED STAINS, PAINTS OR URETHANES.

Epoxy Resin Tools - along with the safety items listed above - you'll need the following:

- Wax Paper – to protect surfaces
- Stir Sticks – for mixing
- Mixing Containers

- Paint Brushes/Spatula – for application
- Torch/Heat Gun – to remove bubbles

Optimal Work Environment – Epoxy Resin is affected by temperature and humidity. For best results and optimal working and curing conditions, room temperatures of between 75-80 degrees F and humidity levels of no more than 85% are recommended. If in cooler temperature, it may not cure due to incomplete mixing which is more likely when the resin is cool and difficult to mix.

Epoxy Resin Steps

Measuring & Mixing – **ProArt** epoxy resin is mixed in an easy-to-follow one-to-one ratio by volume. Combine hardener and resin in mixing container and mix with stir stick. **Scrape the sides and bottom during mixing to ensure thorough incorporation of the two parts.**

NOTE: Do not beat or whip epoxy or use power tools to combine. Stir no more than one gallon combined for 5-8 minutes (no longer than 10 minutes) until thoroughly mixed.

Pro Tips: Mix only what you think you'll need as leftover epoxy resin can't be saved. Mixing too vigorously or too long will result in the start of the curing process. Use clean, new containers for each batch of epoxy resin mixed.

Be Prepared: Be ready to pour mixed product when you finish mixing. Allowing mixed product to sit in the mixing vessel will accelerate the curing process and could result in the product curing before it can be poured.

Pouring & Spreading: Seal Coat - All porous surfaces require at least one initial seal coat of epoxy resin. A seal coat is brushed on very thinly. The seal coat(s) are applied before a flood coat. 4 hours after the last seal coat is applied, you can

move onto your flood coat.

Pouring & Spreading: Flood Coat – **ProArt** epoxy resin is designed for 1/8” thick flood coat pours but may be poured up to 1/4” thick at a time. After 4-6 hours another layer may be poured onto the previous layer. If it has been more than 10 hours the previous layer should be lightly sanded (200-300 grit) and wiped clean with 90% + isopropyl alcohol or denatured alcohol or acetone before pouring your next layer. Use a torch or heat gun 8” away from the surface in a waving motion to remove bubbles that form in seal and flood coats. After a flood coat you can intermittently apply heat up to approximately 40 minutes. Do not apply heat past 40 minutes or you risk burning/scorching the epoxy.

Working & Curing Times – **ProArt** Epoxy Resin will have a working/application time of 25-30 minutes once mixed. Full curing results in 72 hours.

Clean Up & Disposal – To clean tools and surfaces, acetone, rubbing alcohol or nail polish remover may be used. Once epoxy resin has fully cured, it is inert and not a hazard, and so may be disposed of as non-hazardous waste in most municipalities.

Storing Unused Resin – Unmixed resin & hardener have a long shelf life of 6 months. Store in original containers in a cool, dry place. Over time, the unused material may yellow/amber as expected with most epoxies.