

Beginner's Step-by-Step Guide to Mixing Epoxy Resin

1. Prepare Your Workspace

- Cover your surface with a silicone mat, freezer paper, or plastic sheeting.
- Ensure good ventilation.
- Gather resin, hardener, cups, sticks, gloves, heat gun, molds, timer, and decorations.
- Keep a dust cover ready for curing pieces.

2. Put On Safety Gear

- Wear nitrile gloves.
- Use safety glasses and a respirator if ventilation is limited.
- Wear an apron or old clothing.

3. Check Your Resin Instructions

- Identify the correct mix ratio (1:1 or 2:1).
- Confirm whether to measure by volume or weight.
- Note the working time or pot life.

4. Bring Resin to the Right Temperature

- Ideal temperature: 70-75 F.
- Warm cold bottles in a sealed water bath if needed.
- Cold resin traps bubbles and thickens.

5. Measure Parts A and B

- Use clean, dry cups.
- Measure Part A precisely.
- Add the matching amount of Part B according to the ratio.
- Avoid guessing or eyeballing.

6. Mix Slowly and Thoroughly

- Stir gently to avoid bubbles.

- Scrape sides, bottom, and corners of the cup.
- Mix for 2-5 minutes or as directed.
- Stop only when clear and streak-free.

7. Use the Double-Cup Method

- Pour mixed resin into a clean second cup.
- Mix again for 30-60 seconds.
- Ensures no unmixed resin remains.

8. Add Color and Decorations

- Add pigments slowly.
- Avoid overloading with color.
- Mix gently again.
- Prepare glitter, flowers, vinyl, or charms before pouring.

9. Pour Into Molds

- Ensure your mold sits on a level surface.
- Pour slowly in a thin stream.
- Use layers for deep molds to prevent overheating.

10. Pop Bubbles

- Let resin sit briefly to release bubbles.
- Use a heat gun or torch in sweeping motions.
- Avoid holding heat in one spot.

11. Cover and Cure

- Cover molds to protect from dust.
- Avoid touching for 12-24 hours.
- Full cure takes 48-72 hours.

12. Demold and Finish

- Remove pieces gently once cured.

- Sand edges if needed.
- Polish with compound and a soft cloth.