

Rules for Mixing Epoxy Resin

1. Follow the Manufacturer's Ratio Exactly

- Use the exact ratio required (commonly 1:1 or 2:1).
- Measure only by the method the brand specifies (volume or weight).
- Incorrect ratios cause soft, sticky, or uncured resin.

2. Make Sure Both Parts Are the Same Temperature

- Ideal temperature: 70-75°F.
- Cold resin becomes thick and bubbly.
- Warm bottles in a sealed water bath if needed.

3. Mix Slowly, Not Vigorously

- Stir gently to avoid trapping air.
- Scrape sides, bottom, and corners of the cup.
- Fast stirring creates microbubbles.

4. Mix for the Full Recommended Time

- Most resins require 2-5 minutes of mixing.
- Stop only when the mixture is clear and streak-free.
- Cloudy swirls mean keep mixing.

5. Use Clean, Dry Tools Only

- Water, alcohol, or dust can ruin the reaction.
- Use fresh cups and stir sticks for each batch.

6. Double-Cup Method for Accuracy

- After mixing in Cup #1, pour into Cup #2.
- Mix again for 30-60 seconds.
- Prevents unmixed resin from sticking to the first cup.

7. Watch the Working Time (Pot Life)

- Resin begins curing immediately after mixing.
- Warm rooms shorten working time.
- Larger batches heat up and cure faster.

8. Avoid Introducing Moisture

- No water-based paints or wet flowers unless sealed.
- Moisture causes cloudiness or foaming.

9. Pop Bubbles After Pouring

- Use a heat gun or small torch in sweeping motions.
- Avoid holding heat in one spot.

10. Don't Rush the Cure

- Keep pieces covered and dust-free.
- Avoid touching for 12-24 hours.
- Full cure takes 48-72 hours.

11. Never Mix More Than Your Mold Can Handle

- Overfilling causes overflow or overheating.
- Large pours should be done in layers.

12. Safety First

- Wear nitrile gloves and eye protection.
- Ensure good ventilation.