

# 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.