Before You Pour: Epoxy Mistake Checklist

A free workshop wall sheet from EpoxyMath · epoxymath.com

1. Measure twice

- ■ Confirm length × width × depth (or mold volume) before opening kits.
- ■ Convert fractions carefully: 1/8" = 0.125 in, 1/4" = 0.25 in.
- ■ Add 10–15% waste for cups, sticks, and drips (15–20% for rivers / porous wood).
- ■ Run the numbers in a calculator you trust — don't guess mid-pour.

2. Read the label (not a blog)

- ■ Mix ratio: by volume or by weight? Follow the kit, not habit.
- ■ Maximum pour depth per layer — never exceed it.
- ■ Pot life / working time at your shop temperature.
- ■ Recoat window between layers (sand if you miss it).

3. Prep the workspace

- ■ Level the form / surface; seal leaks with silicone or tape.
- ■ Room temperature in the product's recommended range (warm shops cure faster/hotter).
- ■ Nitrile gloves, eye protection, ventilation; cover floors.
- ■ Torch or heat gun ready for bubbles; mixing cups labeled A/B.

4. Mixing

- ■ Measure Part A and Part B accurately (volume cups or scale).
- ■ Scrape sides and bottom; mix for the full time on the TDS.
- ■ Avoid whipping air into the mix; pour into a second cup ("double cup") if recommended.
- ■ Do not thin with solvents unless the manufacturer allows it.

5. Pouring & curing

- ■ Pour slowly; work from one end or the low point of a river channel.
- ■ Pass a torch lightly over bubbles — don't scorched the surface.
- ■ Stay within max layer depth; schedule the next layer inside the recoat window.
- ■ Cover dust; wait for full cure before heavy sanding or demolding.

6. Common costly mistakes

- ■ Mixing too little — running out mid-flood coat.
- ■ Ignoring max depth — yellowing, cracks, soft cure, or smoke.
- ■ Wet molds or damp wood — cloudy cure and adhesion failure.
- ■ Wrong ratio or incomplete mix — sticky spots that never harden.
- ■ Demolding / sanding too early — fingerprints and soft edges.

Estimates only. Always follow your product's TDS and SDS. Size your pour free at **https://www.epoxymath.com** — no account required.