



A FREE STARTER FROM ARDENT SELLER

# Resin Mix-Ratio & Cure Log

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A mix-ratio reference & worksheet so any pour is measured right, plus a print-and-use cure log so every pour teaches the next.

Mix on purpose, cure on purpose.



# Measure every pour right, and remember what worked

More resin failures trace back to the mix than to anything else — a ratio that was off, or a cup that wasn't scraped — and the rest are decided overnight by the cure. This free starter is the two most useful pages of a full studio workbook: a mix-ratio reference & worksheet so any pour is measured right, and a print-and-use cure log so every pour teaches the next. Print a stack and fill one in every time you pour.

## **A STUDIO REFERENCE, NOT CERTIFICATION**

Every ratio, working time, cure time, and pour depth here is a typical starting point — always follow your specific resin's label and safety data sheet (SDS), and measure by weight or volume exactly as it says (they are not the same). Resin and its hardener are skin/respiratory sensitizers and can overheat if over-poured — wear nitrile gloves, ventilate, and never exceed the stated pour depth. Resin is not food-safe by default.

## KEEP THIS BY THE BENCH

# Mix-ratio reference

A mix ratio is just a proportion — how many parts of resin (Part A) to hardener (Part B). To mix a batch, pick a total amount and split it in that ratio:

**THE ONE FORMULA**

Part A (resin) = total  $\times$  ( A  $\div$  ( A + B ) ). Part B (hardener) = total  $\times$  ( B  $\div$  ( A + B ) ). So a 2:1 batch of 300 is 200 resin + 100 hardener. More hardener does NOT cure harder or faster — measure precisely, and mix the full time on the label, scraping the cup.

Common resin systems and their typical ratios (your product's label is the final word):

Resin system	Typical ratio	Working time	Max pour depth
Coating / tabletop (bar-top) epoxy	1 : 1 by volume	20–40 min	Thin layers, ~1/8 in (3 mm) per pour
Deep-pour / casting epoxy	2 : 1 by volume (some 3 : 1 or by weight)	Several hours – a day	Deep — often 1–2 in (25–50 mm) per pour, per label
Art / doming resin	1 : 1 by volume	20–45 min	Thin — coasters, doming, ~1/8 in (3 mm)
Fast-set / 5-minute epoxy	1 : 1 by volume	3–6 min	Tiny — bonds, repairs, fills
UV resin (single-part)	No mixing — 1 part	Stays liquid until cured under UV	Very thin layers — ~1–2 mm at a time
Polyester casting resin	Resin + MEKP catalyst by the drop (~1–2%)	10–30 min (catalyst-dependent)	Moderate — per label and catalyst level
Polyurethane casting resin	1 : 1 by volume (commonly)	1–3 min (fast)	Per label — usually thin solid casts
Food-contact coating epoxy (manufacturer-certified, once fully cured)	1 : 1 by volume (typical)	20–40 min	Thin coats, like a coating epoxy

Typical values to teach the method — ratios, working times, and pour depths are set by your exact product. Always confirm against its label and SDS, and never exceed its maximum pour depth.





## Run the whole studio, not just the mix

These two pages are a slice of the kit. The Resin & Epoxy Maker's Mix, Cure & Cost Workbook is the whole business side of a studio: a mix-ratio calculator that does the math for any pour, a 10-system resin reference, a pigment & additive load calculator with an over-load "won't cure" flag, a full cure & troubleshooting reference (bubbles, amine blush, soft cure, yellowing, exotherm) with this log built in, a mold & materials inventory with a low-stock flag, and a batch & per-piece cost & pricing calculator that finally pays you for your finishing time — a working Excel workbook (8 tabs) plus five PDF guides. Evergreen.

### GET THE FULL RESIN & EPOXY MAKER'S WORKBOOK

Available on the Ardent Workshop storefront. [See the full workbook >](#)

## The living version of a studio workbook

A spreadsheet is a wonderful place to start a studio and a hard place to scale one. The moment you're tracking dozens of formulas, resin and pigments and molds that move with every pour, and the true cost of a whole line, a stack of tabs starts to creak.

### MEET ARDENT SELLER

Ardent Seller is inventory, recipe, and sales software built for makers. Your resin formulas and pour methods become reusable procedures; your resin, pigments, and molds become tracked inventory that draws down as you make; your true cost per piece is computed for you; and your pieces are tracked from the studio to the sale. There's a free plan to start. [Start free at ardent seller.app >](#)

A note on safety and results. This is a studio reference, not certification. Every mix ratio, pour depth, and cure time is a typical starting point — follow your resin's label and SDS. Resin and its hardener carry real hazards (sensitization, fumes, sanding dust, and a curing heat that can overheat or burn). Resin is not food-safe by default; costing and pricing examples are illustrative, not financial advice.

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