

# Colorant Ratio Guide

Percentages by volume of colorant relative to total mixed resin. Test a small sample first.

**HARD LIMIT: Never exceed 10% total colorant by volume.**

Above 10%, colorant inhibits curing. The result is a permanently sticky surface that cannot be fixed.

## MICA POWDER

Effect	Start %	Max %	Notes
Subtle shimmer / background tone	0.5%	1.5%	Fine particle micas disperse best at low concentration
Medium coverage, good colour	1.5%	3.0%	Standard range for most coating pours
Opaque / metallic coverage	3.0%	6.0%	Stir well — heavy mica settles faster than fine mica
Gel-stage painting (palette knife)	4.0%	8.0%	Higher concentration moderated by gel viscosity

## ALCOHOL INK

Effect	Start %	Max %	Notes
Transparent wash / colour hint	0.5%	1.0%	Spreads more than mica — use less than expected
Vivid transparent colour	1.0%	3.0%	Standard range for ocean, abstract, and geode work
Very saturated / near-opaque	3.0%	5.0%	Test first — some ink brands are more concentrated
■ Migration risk	—	—	Seal with clear coat before adding next coloured layer

## LIQUID RESIN TINTS

Effect	Start %	Max %	Notes
Pastel / delicate tint	0.1%	0.5%	Liquid tints very concentrated — start very low
Standard saturated colour	0.5%	2.0%	Most common working range for all pour types
Deep / opaque colour	2.0%	4.0%	Stir thoroughly — pigment can sink in pot life window
Transparent deep casting	0.5%	1.5%	Depth amplifies colour — lighter than you think

IRON OXIDE / PIGMENT POWDER			
Effect	Start %	Max %	Notes
Light earth tone	0.5%	1.5%	Oxides dense — can cause settling in long pot life
Standard opaque coverage	1.5%	3.5%	Mix into Part A before adding hardener B
Near-black / very dark	3.0%	6.0%	Black oxide 2.5% + violet 0.2% = more complex dark
<b>■ Safety note</b>	—	—	Wear a dust mask when measuring loose pigment powder

**MIXING ORDER FOR CONSISTENT RESULTS**

1. Mix colorant into Part A first, before adding hardener. 2. Stir until fully homogeneous.
3. Add Part B and mix for full 4 minutes. This prevents unmixed colorant streaks in the cured piece.