

# ADDING PIGMENT PACKS TO CLEAR RESINOUS COATINGS

## OVERVIEW

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Pigment packs allow customization of color in clear resinous coatings such as epoxy, polyaspartic, and polyurea while maintaining chemical resistance, adhesion, and durability. Proper dosing and mixing are critical to achieve consistent color, gloss, and cure characteristics without compromising performance.

### **Recommended Mix Rates**

- Dark Colors: 5-8 oz per Gallon
- Light Colors: 8-12 oz per Gallon

Note: Always follow manufacturer guidelines for pigment compatibility. Overloading pigments can cause incomplete cure, reduced gloss, or reduced chemical resistance.

### **Mixing Guidelines**

1. Part A (Resin) Preparation:
  - Ensure Part A is fully mixed and homogeneous before adding pigment.
  - Gradually add pigment packs while continuously stirring to avoid lumps or streaks.
2. Mixing Part A and B (Hardener/Curative):
  - After pigment incorporation, combine with Part B at the exact manufacturer-recommended ratio.
  - Mix thoroughly for 2-3 minutes, scraping sides and bottom of the container.
3. Application:
  - Apply using standard methods (roller, squeegee, or spray).
  - Maintain recommended wet film thickness to achieve full color and cure.
  - Avoid prolonged open time in hot conditions; fast-curing systems may gel quickly.

### **Best Practices**

- Test Patch: Always perform a small test patch to verify color, gloss, and cure before full-scale application.
- Batch Control: Mix full kits at one time; avoid splitting batches to maintain color consistency.
- Storage: Store pigment packs in dry, sealed containers at recommended temperatures.
- Documentation: Record pigment type, lot number, and mix rate for quality control and future reference.