

1 Start with 105 Resin and a set of #300 Mini Pumps



2 Pick a Hardener

Hardeners		Pot Life at 72°F	Cure to Solid	Min. Temp.	Uses
5:1 Ratio	205 Fast	9-12 min.	6-8 hr.	40°F	Wet Out —Coat porous surfaces before bonding with thickened epoxy. Laminating —Bond sheets or layers of materials with tight fitting joints. Fabric Application —Apply fabrics to surfaces or laminate in molds. Barrier Coating —Apply multiple coats of epoxy for moisture protection.
	206 Slow	20-25 min.	10-15 hr.	60°F	
3:1 Ratio	209 Extra Slow	40-50 min.	20-24 hr.	65°F	
	207 Special Coating	20-25 min	10-15 hr.	60°F	

3 Select a Filler

Fillers		Uses
High Density Fillers	403 Microfibers	Bonding —Thicken resin/hardener mixtures for structural gap filling. Bonding with Fillets —Increase joint bonding area and create a structural brace. Bonding Hardware —Use epoxy to distribute hardware fastener loads over larger areas and increase fastener load capability. Laminating —Bond layers of wood strips, veneers, planks, sheets and cores.
	404 High Density	
	405 Filleting Blend	
	406 Colloidal Silica	
Low Density	407 Low Density	Fairing —Fill low areas and built up surfaces with an easily shaped and sanded surfacing/fairing compound.
	410 Microlight	

4 Pick an Additive

Additives	Qualities when added to 105/Hardener mixture	
420 Aluminum Powder	Adds abrasion resistance and temporary resistance to UV light	
422 Barrier Coat Additive	Barrier coat additive that increases moisture resistance	
423 Graphite Powder	Use to create a low-friction coating on racing craft; Also for creating a load bearing surface when thickened with fillers	
Pigments	501 White Pigment	Adds color to epoxy mixture; Useful where 105 Epoxy applied as base for painting
	503 Gray Pigment	