

Technical Data Sheet

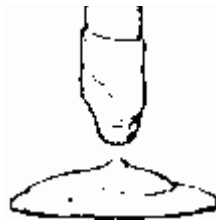
407 Low-Density Filler

407 Low-Density filler is a blended microballoon-based filler used to make fairing putties that are easy to sand or carve. Reasonably strong on a strength-to-weight basis. Cures to a dark red/brown color.

Use 407 Low Density Filler to thicken the epoxy mixture to the desired consistency. The thickness of a mixture required for a particular job is controlled by the amount of filler added. There is no strict formula or measuring involved-use your eye to judge what consistency will work best. The chart below gives you a general guide to the differences between neat (unthickened) epoxy and the three consistencies referred to in WEST SYSTEM manuals.

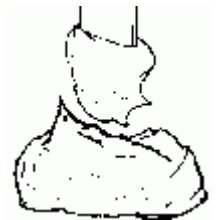
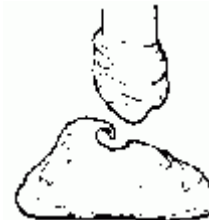


Filler	Package size	Quantity of mixed epoxy required for		
		catsup consistency	mayonnaise consistency	peanut butter consistency
407-5	4.0 oz	0.5 qt	0.4 qt	0.3 qt
407-15	12.0 oz	1.7 qt	1.3 qt	1.0 qt
407-B	14.0 lb	6.0 gal	4.8 gal	3.7 gal



Catsup

Mayonnaise



Peanut butter

Typical Properties in Cured Epoxy:

(105/206/407, mixed at mayonnaise consistency.)

Shore D Hardness 63.
 Compression Strength 2,900 psi
 Density 35 lbs/ft³

Filler Selection Guide

USES Resin/Hardener mixture thickened with a Filler Use description—desired characteristics	ADHESIVE FILLERS				FAIRING FILLERS	
	Highest density Highest strength ←				Lowest density → Easiest sanding	
	404 High-density	406 Colloidal Silica	403 Microfibers	405 Filleting Blend	407 Low-density	410 Microlight
Bonding Hardware —Increased fastener interface and hardware load capability—maximum strength	★★★★	★★★	★★★	★★		
General Bonding —Join parts with epoxy thickened to create a structural gap filler—strength/gap filling	★★★	★★★	★★★	★★	★	
Bonding with Fillets —Increase joint bonding area and create a structural brace between parts—smoothness/strength	★★	★★★★★	★★	★★★★	★★★★	
Laminating —Bond layers of wood strips, veneers, planks, sheets and cores—gap filling/strength	★★	★★★	★★★★★	★★	★★	
Fairing —Fill low areas and voids with an easily shaped and sanded surface filler/fairing compound—sandability/gap filling					★★★	★★★★★

Filler suitability for various uses ★★★★★=excellent, ★★★=very good, ★★=good, ★=fair, (no stars)=not recommended.