

Technical Data Sheet

410 Microlight Filler

410 Microlight™ is the ideal low-density filler for creating a light, easily-worked fairing compound especially suited for fairing large areas. Microlight mixes with greater ease than 407 Low-Density filler or microballoons and is approximately 30% easier to sand. It feathers to a fine edge and is also more economical for large fairing jobs. Not recommended under dark paint or other surfaces subject to high temperatures. Cures to a tan color.



When West System® epoxy is thickened to a peanut butter consistency with Microlight™, the cured product sands and carves like basswood.

Filler Buying Guide:

Filler	Package size	Quantity of mixed epoxy required for		
		catsup consistency	mayonnaise consistency	peanut butter consistency
410-2	1.7 oz	1.2 qt	0.9 qt	0.7 qt
410-7	5.0 oz	3.0 qt	2.4 qt	1.8 qt
410-B	4.0 lb	8.9 gal.	7.2 gal	5.6 gal

Initial volume of epoxy X 2.6 = Volume of fairing compound.

Typical Properties in Cured Epoxy:

(105/206/410)

	<u>catsup</u>	<u>mayonnaise</u>	<u>peanut butter</u>
Density	33 lbs/ft ³ 0.53 g/cm ³	29 lbs/ft ³ 0.46 g/cm ³	27 lbs/ft ³ 0.43 g/cm ³

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.