

# EPOXY LAMINATING SYSTEMS

## AEROPOXY FROM PTM&W INDUSTRIES



PR2032 is a medium viscosity, unfilled, light amber laminating resin that is designed for structural production applications. 3 hardeners are available for use with PR2032. PH3660, has a 1-hour pot life. When used with either of these hardeners, the system gives excellent wet-out of fiberglass, carbon and aramid fibers. AEROPOXY contains no MDA (a known liver toxin and carcinogen) and meets or exceeds current OSHA requirements for safe use. Hardener PH3665 has a longer pot life than PH3660, 2 hours, that is useful for vacuum bag-

ging larger parts before the resin has gelled. Hardener PH3630 is intended for smaller laminates, fast repairs or additions to a primary structure. PH3630 pot life is 30 min.

Hardener PH3663 is the standard production hardener for fabricating composite parts. PH3663 a 90 minute working time provides more time for construction. This hardener provides similar mixed viscosities, so handling will be basically the same, except for the different working times.

Part No.	Description	Wt. (lbs.)	Price
01-42125	1 quart PR2032 Resin	2.25	---
01-42130	1 pint PH3660 Hardener	.66	---
01-42135	PR2032/PH3660 Quart Kit	2.91	---
01-42140	3/4 Gallon PR2032 Resin	7.5	---
01-42145	1 quart PH3660 Hardener	2.0	---
01-42150	PR2032/PH3660 Gallon Kit	9.5	---
01-42155	5 Gallon PR2032 Resin	48	---
01-42160	2 Gallon PH3660 Hardener	13	---
01-42165	PR2032/PH3660 Pail Kit	61	---
01-00160	1 pint PH3630 Hardener (fast)	--	---
01-00161	1 quart PH3630 Hardener (fast)	--	---
01-00162	1 pint PH3665 Hardener (slow)	--	---
01-00163	1 quart PH3665 Hardener (slow)	--	---
09-05266	1 Pint PH3663 Hardener	--	---
09-05267	1 Quart PH3663 Hardener	--	---
09-05268	1 2.5 Gallon Pail PH3663 Hardener	--	---
09-05269	1 30 Gallon Drum PH3663 Hardener	--	---

Aeropoxy mixing ratio — 100:27 by weight, 3:1 by volume.

## WEST SYSTEM EPOXY



WEST SYSTEM brand resins and hardeners, form a two-part epoxy system developed by Gougeon Brothers specifically for wood and composite boat construction. Rutan Aircraft Factory now recommends WEST SYSTEM epoxy for certain homebuilt aircraft applications, particularly where a moisture resistant epoxy is desired. 105 Resin is the base material on which all of the WEST SYSTEM epoxy systems are built. The resin is a clear, light amber, low-viscosity liquid. It is designed specifically to wet out wood fiber. With roller applications, it possesses excellent thin film characteristics in flowing out and is self-leveling without fish-eyeing. Its relatively high flash point makes it safer to work with than polyesters. It can be cured in a wide temperature range, then sanded and shaped. It cures quite clear so that the natural finish shines through. 205 Fast Hardener, when mixed with the 105 Resin in a ratio of 5 parts Resin to 1 part Hardener, yields a high-strength, rigid solid with excellent cohesive properties and provides an excellent moisture vapor barrier. The 105 Resin/205 Fast Hardener has a pot life of 10-15 minutes at 70°F. It is also recommended in coating applications where natural finishing is desired. Partial cure time at 70°F is 5-7 hours. 206 Slow Hardener is a low-viscosity mixture of polyamines. The 105 Resin/206 Slow Hardener has a pot life of 30-40 minutes at 70°F. It is normally used when extended time is needed for large coating and bonding applications. It is especially well suited to working in warmer climates. Partial cure time is 9 hours at 70°F.

### WEST EPOXY KITS

Kit No.	Kit Size	Part No.	#105 Resin	Hardener		Kit Price
				#205 Fast	#206 Slow	
A-1	1.2 Qt.	01-08100	32 oz.	7 oz.	-----	---
A-2	1.2 Qt.	01-08200	32 oz.	-----	7 oz.	---
B-1	1.2 Gal.	01-08300	126 oz.	27 oz.	-----	---
B-2	1.2 Gal.	01-08400	126 oz.	-----	27 oz.	---
C-1	5.25 Gal.	01-08500	4.35 gal.	121 oz.	-----	---
C-2	5.25 Gal.	01-08600	4.35 gal.	-----	121 oz.	---

### WEST COMPONENTS

Resin		Fast Hardener		Slow Hardener	
Part No.	Price	Part No.	Price	Part No.	Price
01-00353	---	01-00356	---	01-00359	---
32 oz.	-----	7 oz.	-----	7 oz.	-----
01-00354	---	01-00357	---	01-00360	---
126 oz.	-----	27 oz.	-----	27 oz.	-----
01-00355	---	01-00358	---	01-00361	---
4.35 gal.	-----	121 oz.	-----	121 oz.	-----

ORDER 301/303 PUMP PACKS SEPARATELY.

### 301/303 PUMP PACK

Using Mini Pumps helps ensure accurate metering of resin/hardener mixture. Pumps mount directly on resin and hardener containers. One stroke from each pump delivers proper ratio of resin to hardener. Kit consists of 3 pumps for A, B, and C epoxy kits. .... P/N 01-00318 ..... ---

### 207 SPECIAL COATING HARDENER

This hardener is used where a very clear, moisture resistant natural wood finish is needed. Can be used to laminate veneers where joints will be subjected to sunlight. Improves sun resistance. Pot life: 20 min., cure solid in 9-12 hours, and maximum strength within 7 days.

.66 pint..... P/N 207-SA ..... ---  
.33 gal..... P/N 207-SB ..... ---  
1.45 gal..... P/N 207-SC ..... ---

### 209 TROPICAL HARDENER

This hardener is used for bonding applications in warm or humid weather or when extended working time is needed. Provides twice the working time as 206 hardener. Forms a clear, amber solid when cured. Pot life is 40 minutes, solid state in 24 hours, and maximum strength in 5-9 days.

.66 Pint..... P/N 01-00362 ..... ---  
.33 Gallon..... P/N 01-00364 ..... ---  
1.45 Gallon..... P/N 01-00363 ..... ---

### WEST SYSTEM ACCESSORY PRODUCTS

West System User Manual..... P/N 01-08750 ..... **FREE**

West System 101 Handy Repair Pack - Contains 105 resin & 205 hardener plus accessories needed for small repairs..... P/N 01-08760 ..... ---

West System 501 White Pigment - use this epoxy based pigment to provide a neutral white base for the final coloring system. Mix at ratio of 1 teaspoon to 8 oz. of epoxy. 8 oz. can..... P/N 01-08775 ..... ---

West System 410 Microlight an excellent filler which provides easy workability for a variety of applications. Easy to sand and cures to a neutral tan color.

1.7 oz..... P/N 01-08780 ..... ---  
4.3 oz..... P/N 01-08785 ..... ---



### 423 GRAPHITE POWDER

423 Graphite Powder can be mixed with WEST SYSTEM epoxy to produce a low friction coating with increased scuff resistance and durability. 423 is often used as a bearing surface, and as a coating on the bottoms of racing craft that are dry sailed..... P/N 09-00315 ..... ---

### WEST SYSTEM FIBERGLASS REPAIR KIT

Useful for a wide variety of fiberglass repairs, including repair of cracks, scrapes, loose hardware, gelcoat blisters, delaminated cored panels, holes, keel damage, and more. Kit contains eight pre-measured packets of 105 Epoxy Resin and 205 Fast Hardener (19.2g mixed), adhesive filler, fairing filler, mixing cups, fiberglass fabric, reusable mixing stick/applicator, syringe, two coating brushes, three pairs disposable neoprene gloves and complete handling and repair instructions. Kit 105-k..... P/N 01-01521 ..... ---

### PRO-SET EPOXY RESINS AND HARDENERS

**Note: This is the NEW 2013 Formula. NOT compatible with original formula.**

LAM-125 Resin: Low Viscosity Laminating Resin  
LAM-229 Hardener: Slow Laminating Hardener  
LAM-135 Resin: Medium Viscosity Laminating Resin  
LAM-226 Hardener: Medium Laminating Hardener  
LAM-135 Resin: Medium Viscosity Laminating Resin  
LAM-237 Hardener: Extra Slow Laminating Hardener

Description	Size	Part Number	Price
125 Resin	1 Gal.	01-01221	---
135 Resin	1 Gal.	01-01223	---
224-1 Fast Hardener	1/3 Gal.	01-01688	---
224-2 Fast Hardener	1.4 Gal.	01-01689	---
226 Hardener	1/3 Gal.	01-01224	---
229 Hardener	1/3 Gal.	01-01222	---
237 Hardener	1/3 Gal.	01-01693	---
237 Hardener	1.49 Gal.	01-01210	---