

ADHESIVES

WP

PTM&W ES6279 AEROPOXY EPOXY ADHESIVE



Manufactured by PTM & W Industries, Inc. ES6279 is a light grayish-tan two part adhesive that was developed specifically for difficult bonding problems involving similar or dissimilar materials. ES6279 provides excellent adhesion to a wide variety of materials such as aluminum, steel, brass, glass, ceramics, and wood. The mix ratio of 1 to 1 by weight or volume allows easy measuring, and the creamy, smooth viscosity allows easy, uniform application. The cured material has excellent strength as well as good resistance to weak acids, moisture, and weather. ES6279 has been used successfully for many years in a variety of general bonding uses as well as numerous production applications.

Part Number	Description	Wt. (lbs.)	Price
02-30015	1/2 quart part A only	3.0	.
02-30020	1/2 quart part B only	3.0	.
02-30025	ES6279 QUART KIT	6.0	.
02-30030	1/2 gallon part A only	12.0	.
02-30035	1/2 gallon part B only	12.0	.
02-30040	ES6279 GALLON KIT	24.0	.
02-30045	1/2 pail part A only	60.0	.
02-30050	1/2 pail part B only	60.0	.
02-30055	ES6279 PAIL KIT	120.0	.

PTM&W ES6209 AEROPOXY STRUCTURAL ADHESIVE



ES6209 is a translucent, straw colored two component epoxy adhesive with a thick, liquid consistency. ES6209 is an excellent structural adhesive for use when good flow and surface wetting are required. Though pourable it has a controlled flow viscosity to minimize run-out from the adhesive joint. The 1 to 1 combining ratio by weight or volume makes it easy to measure and mix. The working time of over an hour provides plenty of time to coat and assemble the materials to be bonded. ES6209 has excellent adhesion to composite and metal parts typically used in kitplane construction. It bonds rigid foam, wood, ceramics, fiberglass and most metals with ease. When cured ES6209 provides tough, durable structural joints. Mix Ratio: 1 to 1 by weight or volume; Color: Translucent Amber, Mixed Viscosity: 45,000-55,000cps; Pot Life 4fl. oz. Mass: 60-90 min @ 77°F; Cure Time @ 77°F 18-24 hrs, @ 140°F 2-3 hrs.

Quart Kit.....P/N 01-00295
Gallon Kit.....P/N 01-00296

FE6026 A/B EPOXY ADHESIVE (REPLACES HEXCEL 9923)



SLE-3012 A/B is a two part epoxy adhesive which bonds well to dissimilar materials with different thermal expansion coefficients. Part A is a nonflow brownish paste to be mixed with a white part B semipaste. (Fillers in part B may separate in storage. Remix to uniform consistency before each use.) The mix ratio of FE6026 is 1/1 by volume. The pot life of 100 grams of FE6026 A/B is 35-45 minutes @ 75°F. FE6026 A/B will cure in 3-5 days @ 75°F, or 2-3 hours @ 150°F.

Pint Kit.....P/N 02-00043

PTM&W ES6228 METAL BONDING ADHESIVE



ES6228 is a thin paste viscosity epoxy adhesive designed to provide good bonds to metal surfaces. A unique feature of ES6228 is its ability to bond to slightly oily metal surfaces. This is useful in situations where the complete removal of residual mill oil on metal surfaces is not possible. The thin paste consistency of ES6228 wets the metal surface well, for good adhesion. This viscosity also provides some gap filling capabilities, so "close-fitting" joints are adequate, and matched-metal joints are not required. ES6228 has a 1:1 mix ratio, by weight or volume, for easy measuring. The white resin and black hardener combine to a smooth gray system that is easy to mix and apply. The cured material has very good properties, with high bond strength and elongation, for tough durable assemblies.

Product Specifications	ES6228-A Resin	ES6228-B Hardener	Test Method
Color	White	Black	Visual
Viscosity,cps	Thin Paste	Thin Paste	ASTM D2393
Specific Gravity	1.32	1.30	ASTM D1475
Density Lb./cu.in.	.0477	.0470	ASTM D792
Mix ratio	100:100 by weight or volume		PTM & W

Quart Kit (4.5 lbs)..... P/N 01-00415.....
Gallon Kit (18 lbs)..... P/N 01-00414.....

SYSTEM THREE ROTFIX



Rotfix is an easy-to-use, low viscosity epoxy wood restoration system for consolidation of rotted, deteriorated, dried out, or spongy wood. It creates a strong water-resistant base for repair and restoration. Penetrates deep into wood for maximum strength. Use with Sculptwood for permanent structural repair or severely damaged wood. Kit includes 16 oz measuring/application bottle.

1.5 pint (24 oz) Kit P/N 02-90050...../ea

SYSTEM THREE SCULPWOOD



Sculpwood is a moldable, carvable, sandable epoxy putty for replacement of damaged wood. It forms a strong, permanent bond to most rigid surfaces and can be sawed, nailed, carved, machined, sanded, stained, painted, and screwed. Porous, rotted, or deteriorate wood should first be treated with RotFix.

2 pint (32 oz) Kit.....P/N 02-90055...../ea

SYSTEM THREE QUICK CURE EPOXY



Quick Cure is a 5 min. epoxy from System Three which bonds wood, metals, fiberglass, ceramics, plastics and glass. Excellent for making quick repairs, as it hardens in 5 minutes at room temperature. Mixing ratio: 1 to 1. Not recommended for applications in excess of 200°F.

Pint Kit.....P/N 02-30060.....
Quart Kit.....P/N 02-30065.....

METLWELD EPOXY ADHESIVE



MetlWeld is a 2-part, equal volume ratio, room temperature curing epoxy adhesive. MetlWeld develops strength earlier than other comparable 1:1 systems and may be used at temps. as low as 50°F. Metal to be bonded should be freshly sanded and clean from grease, wax, oil and other contaminants. Allow 48 hours min. to cure and develop strength at 77°F (longer at cooler temps.) before subjecting to stress. Bonds plain & anodized aluminum, glazed & unglazed ceramic; concrete; copper; glass; galvanized and stainless steel; neoprene rubber and most porous materials. Does not bond acrylic, polyethylene, polypropylene, polystyrene or vinyl plastics.

1/2 Pint Kit.....P/N 01-00406.....
Pint Kit.....P/N 01-00407.....
Quart Kit.....P/N 01-00408.....