

# 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 No. | 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. Quart Kit ..... P/N 01-00295 ..... ---



## ES6247 HIGH PEEL STRENGTH EPOXY ADHESIVE KITS

ES6247 is a two component toughened epoxy adhesive with very good cured properties that provides excellent bonds to a variety of substrates. Its blend of high lap shear and T-Peel values allow superior performance in demanding bonding applications. ES6247 adheres very well to wood, metal, composites and some plastics. The bonded components exhibit tough and durable performance for long term stability in use. Qt. Kit ..... P/N 01-01595 ..... --- Gal. Kit ..... P/N 01-01596 ..... ---



## DOW CORNING #739 PLASTIC BONDING SILICONE ADHESIVE

Dow DOWSIL™ 739 Plastic Adhesive Black is a one-component, room temperature curing, silicone adhesive that is used for sealing, wedge bonding, repairs, and general-purpose applications. It offers high elongation, no flow, fast in-line processing, flame resistant, and requires no mixing ..... P/N 09-05663 ..... ---



## METAL SET A4 ALUMINUM FILLED EPOXY ADHESIVE

Metalset A4® is a powerful epoxy adhesive that has been used for years by all branches of the U.S. Military as well as every major airline and auto manufacturer in the world. A4 is used for hundreds of industrial bonding applications and offers excellent adhesion to porous or non-porous surfaces. It can be applied to vertical surfaces without sagging and cures overnight with negligible shrinking. Once cured, A4 offers good machining qualities (sanding, drilling, tapping), and resists alkalis, dilute acids and solvents. Applications include stopping leaks in pipes, valves and tanks (i.e. car gas tanks), bonding like and unlike surfaces, filling metal joints, dents, etc., anchoring bolts in wood, concrete, and repairing metal surfaces. 6 oz tube - 16 hour cure time ..... P/N 02-00220 ..... --- 11 oz tube ..... P/N 02-00233 ..... ---



## 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.

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

| 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     |



## 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 2 PINT KIT

SculpWood Putty is a two-component, solvent-free, kneadable epoxy. It is moldable, carvable, lightweight, strong, and exhibits excellent adhesion to a variety of substrates. It is easily sanded and will accept paint, screws and nails. 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 ..... ---



## GORILLA SUPER GLUE

Its high strength and quick set time make Gorilla Super Glue the go-to for a variety of household projects. Developed for long-lasting repairs in an instant, Gorilla Super Glue is formulated with tiny rubber particles for increased impact resistance. We call it Impact-Tough® because it stands up to wear and tear unlike any other instant glue. Gorilla Super Glue Gel is an easy-to-use, thicker and more controlled formula great for multiple surfaces and vertical applications. Super Glue ..... P/N 09-04093 ..... --- Super Glue Gel ..... P/N 09-04094 ..... ---



## 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 ..... --- Quart Kit ..... P/N 01-00408 ..... ---