

GEL MAGIC - Non-sagging Adhesive

- Specifically designed for optimum adhesive properties. Not a general purpose resin made for coating and then modified with fillers to act as an adhesive.
- Rubber toughened using the latest aerospace composite technology. This makes the glued joint less brittle and able to absorb stress and sudden impact.
- Two color component system that aids in determining a complete mix.
- Mixes to a pre-thickened, non-sagging, gel state. No fillers needed. This saves time and ensures consistent results mix after mix because the thickeners are already added.
- Ideal for stitch and glue, plywood, strip built and glued lap strake construction. These building styles rely almost entirely on adhesives and coatings. The ease of use and reliability of this product removes most of the guess work and keeps the job moving smoothly.



Thanks for checking out our new products. If you have not used epoxies before you might want to download a copy of The Epoxy Book available from www.systemthree.com. It goes into much greater depth on how to use epoxy products for various marine applications. Oh, by the way, you can skip any sections having to do with using powders.

EZ-Fillet - Filletting Compound

- The resin system is designed specifically for filletting where maximum strength over a broad surface and flexibility are needed; not simply a general purpose resin with fillers added.
- Features a two color component system that aids in determining a complete mix.
- Mixes to a pre-thickened, non-sagging state. No additional fillers needed.
- Ensures consistent results mix after mix because the thickeners are already added.
- Ideal for stitch and glue, plywood, strip built and glued lap strake construction. These building styles rely heavily on the strength of epoxy adhesives compounds and coatings. Wood flour putty is an ideal filletting compound offering maximum strength, ease of mixing, ease of application and sanding, consistent results.
- Can be applied to vertical and overhead surfaces without sagging. Stays put and maintains shape.
- Mixes to a medium brown color for use under a clear finish.



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SYSTEMTHREE®

PREMIUM COATINGS & ADHESIVES



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SilverTip Marine Epoxy Series



System Three Resins began manufacturing and selling formulated epoxy systems to the marine industry in 1979. Our initial product, now called General Purpose Epoxy, soon became recognized as an exceptional system for both amateur and professional boatbuilders. At this time the standard approach was to use one basic resin with a selection of hardeners and thickeners to make the various adhesives, coatings, putties and compounds used in boatbuilding and repair. While this “chemistry set” approach could produce excellent results, it required that the user learn to work with a variety of dusty, obnoxious powders and rely on trial and error to get the product they wanted. Recipes tended to be anecdotal at best and often yielded inconsistent results.

Additionally, boatbuilding is made up of many different processes, each with its own specific engineering requirements. Since the characteristics desired to make a great coating are not the same for an adhesive, fillet or fairing compound, compromises needed to be made to the resin system in order to cover all of these applications. With this single resin system it was not possible to make a product that was truly optimized for any specific job in boatbuilding.

Despite these shortcomings the marine industry learned to work with these products and over the years thousands of boats were successfully built and launched. Most are still sailing today as a testament to the skill of designer, builder and the quality of the materials used.

In 1999 System Three Resins began working on a concept to eliminate the need to add fillers and to create products that are application specific for boatbuilding and repair. For example, we reasoned that if we could make a product that was solely designed to be a fairing putty we could optimize the resin/hardener system especially for this application. All the user has to do is mix the part A and part B together and apply the resultant fairing putty. By eliminating the required step of adding the fillers we no longer needed to provide the working time to add them. This allowed us to make a super fast curing system. The resultant product is QuikFair, a fairing compound that can be applied and then sanded three hours later.

We also discovered technology that would make liquid resin and hardener instantly gel when mixed to form a soft paste. We used this discovery to make an optimized wood adhesive called GelMagic and a wood flour based filleting material called EZ-Fillet. Again because we were able to use a resin/hardener system that was optimized for these applications we were able to create products that are superior in performance to any general purpose epoxy system with added fillers.

With specific products for fairing, filleting and gluing we were now able to create a product with optimal performance for coating and fiberglassing. We developed an almost colorless, easy to use 2:1 system that cures without amine blush with a fast hardener. It has twice the working time for the same thin film cure time as our General Purpose epoxy system.

The result of nearly five years of development work is our new SilverTip Marine Epoxy Series. What follows in this brochure is additional information about each new product in the series. Individual Technical Data Sheets for specific information on each product are available online at www.systemthree.com.



SilverTip - Laminating Resin

- The resin system is designed and optimized specifically for coating and laminating.
- When used with a fast hardener will have a working time of 20 min. and will cure blush free to a sandable state overnight,
- Can be re-coated without sanding within 72 hours of application. This saves considerable time and worry as the usual step of sanding or scrubbing between coats to remove the amine blush is not required.
- Has superior “wetting out” properties when used with fiberglass cloth.
- Is an exceptionally clear coating for use on wood surfaces that are to be finished bright. This makes it an ideal coating for strip building.

MetlWeld - Multi-substrate Adhesive

- Super tough structural epoxy adhesive
- Designed to bond metal and dissimilar materials including stainless steel, galvanized steel, aluminum, copper, glass, ceramic, neoprene rubber and most porous surfaces.
- May be used at temps as low as 50 degrees.
- Pre-thickened; no additional fillers or bulking agents needed.
- Non-sagging.

QuikFair - Fairing Putty

- Adheres to both wood epoxy and fiberglass surfaces.
- Can be used above and below the waterline.
- Fast curing, can be sanded in three hours at 70°F, allowing three applications in an eight hour day. Other epoxy compounds require an overnight cure.
- Sands easily.
- Thickeners are already added saving time, eliminating guess work and inconsistencies.
- Mixes to a buttery smooth consistency that spreads easily and is non sagging allowing for thicker application that stay put.
- Components are two different colors which aids in determining if mixing is complete.
- Once fully cured and sanded smooth is extremely stable with little tendency to telegraph through top coat.