



System Three SilverTip Laminating Resin

SystemThree Silver Tip



Glen-L is pleased to announce that we are an official dealer of SystemThree Resins and products. Many of you already use SystemThree, and this will provide you with the convenience of being able to order directly from us. For those who are not familiar with SystemThree products, we have plenty of information on these pages. SystemThree has a wide range of products beyond laminating epoxy to make many boatbuilding processes even

easier. We hope you will give them a try and let us know what you think.

NOTE: You will notice many of the Glen-L Fiberglass kits offer the option of SystemThree SilverTip and General Purpose resins. If there is a design that you do not see this option listed, let us know and we will put together a price for you.

SilverTip Laminating Resin

SilverTip Laminating Resin is a medium-low viscosity, liquid epoxy resin system that has been optimized for coating and reinforcing fabric saturation in wood-composite boatbuilding. It will outperform any other product in these applications. SilverTip Laminating Resin is designed for use with fiberglass, Kevlar, Dynel and graphite as well as on bare wood. It has superior wet-out characteristics with little tendency to foam or trap air. Both the resin and hardener are nearly colorless and are used in an easy 2:1 volumetric ratio. SilverTip Laminating Resin cures to a brilliant blush-free film with either the fast or slow hardener eliminating secondary bonding concerns as experienced with other epoxies. The working time is longer than most boat building epoxies without extending cure time. The cured film is tough and resilient with better heat resistance than other epoxies cured at room temperature. Fillers, wood flour, and bulking agents can be combined with SilverTip Laminating Resin, however, we suggest using the other members of the SilverTip Series for adhesive, filleting and fairing applications.

Recommended Uses:

SilverTip Laminating Resin has been formulated as an optimized system for coating and fiberglassing wooden boats, the repair of fiberglass boats and for use with carbon fiber sporting goods & autobody parts.



Application:

Use at a simple 2:1 volume ratio with either the fast or slow hardener. Use at temperatures as low as 35°F with no limitations on humidity. Even at lower temperatures and higher humidity this resin will not blush on curing. The medium-low viscosity of SilverTip Laminating Resin wets out fiberglass cloth quickly and allows for use "as is" for either coating or fiberglass work.

Gel Time @77° F (25° C):

Fast Hardener - 26 minutes

Slow Hardener - 60 minutes

Tack Free Time @77° F (25° C)

Fast Hardener - 3 hours

Slow Hardener - 6 hours

Mix Ratio by Volume	100:50
Mix Ratio by Weight	100:43
Total Solids	100%
Mixed Viscosity	700 cps
Mixed Color	Water White
Coverage (saturation coat w/6 oz cloth)	150 ft ² /gal
Maximum Service Temperature	160° F (70° C)

System Three SilverTip Products

SilverTip EZ-Fillet



EZ-Fillet is a wood flour-filled two-part putty specifically designed for stitch-and-glue wooden boat construction. Its ketchup-like, self-leveling consistency allows it to be measured by volume or weight. The resin (part A) is brick red in color while the hardener (part B) is a deep, dark green. A rich brown wood tone results when the two parts are combined indicating complete mixing.

The putty thickens after mixing to form an easy to spread thixotropic compound which will not run or sag.

EZ-Fillet has been designed for superior strength and workability and can be used by itself to create smooth cosmetic fillets or as a structural fillet when combined with fiberglass cloth.

Recommended Uses:

EZ-Fillet is specifically designed for both cosmetic and structural fillets in stitch- and-glue wooden boat construction.



Application:

Use at a simple 2:1 volume ratio. Once mixed and applied EZ Fillet cures overnight to an exceptionally strong fillet, which may be sanded for fiberglass tape. Alternatively, the tape can be applied after EZ Fillet starts to get stiff. Use SilverTip Laminating Resin for this purpose and work EZ Fillet under the wet tape for a smooth, bubble-free composite. Another way to achieve a smooth fillet is to let EZ Fillet get fairly stiff and then smooth with a rag soaked in paint thinner. Sand lightly after curing before applying tape.

Available Color:

- Resin (part A): Red
- Hardener (part B): Green
- Mixed Color: Brown

SilverTip GelMagic



GelMagic is a toughened, non-sagging, two component, structural epoxy adhesive designed for superior bonding to wood and most porous materials. It is unique in that it starts as two self-leveling liquids, which form a soft, thixotropic, sag-resistant paste when mixed. Measuring is easily accomplished by either volume or weight. GelMagic requires no additional modification with fillers and can be applied to vertical and overhead surfaces without running, eliminating the mess and waste associated with other epoxies. GelMagic exhibits exceptionally high peel strength

and employs a state of the art, two-phase epoxy morphology, which creates an adhesive bond that is tougher, more resistant to embrittlement and has better elevated temperature properties than other room temperature cured epoxy adhesives. GelMagic can be post-cured up to 140° F for even greater performance.

Recommended Uses:

Specifically designed for optimum adhesive properties. Not a general-purpose resin made for coating and then modified with filler to act as an adhesive. When fully cured, it is unaffected by



water, oil, kerosene, and many other chemicals. It will not stain wood and is immune to fungus and rot. GelMagic is ideal for stitch-and-glue, plywood, strip built and glued lap strake construction. Also use GelMagic as a high strength, gap filling, waterproof adhesive for general woodworking and architectural applications.

Application:

Mixed at a 2 to 1 by volume ratio, GelMagic will cure at temperatures as low as 35°F. Two color component system aids in determining a complete mix. Mixes to a pre-thickened, non-sagging state. No fillers needed.

Available Color:

Resin (part A): Blue

Hardener (part B): Amber

Mixed Color: Tan

SilverTip MetlWeld



MetlWeld is a super tough epoxy adhesive designed to bond dissimilar materials such as steel to wood. MetlWeld exhibits excellent elastic properties and superior bond strength while remaining rigid. MetlWeld will bond to stainless steel, galvanized steel, aluminum, copper, glass, ceramic, neoprene rubber and most porous surfaces.



Recommended Uses:

MetlWeld will bond metals to metal, wood, stone, concrete, and even glass.

Available Colors: Gray

SilverTip QuikFair

QuikFair is a lightweight, microballoon-filled, fast-curing two-part epoxy fairing putty with excellent moisture resistance. The two color-coded parts have a non-sagging, butter-like consistency and are easily mixed to form a third color. At 25°C (77°F) QuikFair is sufficiently cured to be hand-sanded in 3 hours or machine sanded in 4 hours. This allows the user to apply three coats each 24 hours in a standard eight-hour shift or six in a round-the-clock basis.

Recommended Uses:

Use QuikFair on both fiberglass and wood-epoxy boats above or below the waterline.

Available Color:

Resin (part A): White

Hardener (part B): Brown

Mixed Color: Tan

