SYSTEMTHREE
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TECHNICAL DATA SHEET

Silvertip®

NON-BLUSHING EPOXY RESIN

DESCRIPTION:

SilverTip epoxy is the liquid resin/hardener member of System Three Resins' SilverTip Series. The SilverTip Series was designed to make epoxy resins easier to use by eliminating dusty, obnoxious fillers. SilverTip epoxy has been formulated as an optimized system for coating and fiberglassing wooden boats and for the repair of fiberglass boats. Both the resin and hardener are essentially colorless and used in an easy 2:1 volumetric ratio. SilverTip epoxy cures to a brilliant blush-free film. The working time is longer than most boat building epoxies without sacrificing cure time. The cured film is tough and resilient with better heat resistance than other room temperature cured epoxies. SilverTip epoxy is designed as a coating and fiberglassing resin rather than as an adhesive or fairing epoxy resin. For these applications use other SilverTip Series members: GelMagic for bonding wood, fiberglass and other porous materials, EZ-Fillet as a wood flour filleting putty, QuikFair for fairing, and MetlWeld for bonding metals and other non-porous materials. SilverTip epoxy has not been evaluated for use with any of the common epoxy fillers and modifiers.

PHYSICAL PROPERTIES:

	Resin	Fast Hardener	Slow Hardener
Viscosity @ 25°C(77° F) cps	700	525	620
Density (lb. per gallon)	9.47	8.02	8.02
Color	Colorless	Pale Yellow	Pale Yellow
MIXED SYSTEM PROPERTIES:			
Mix ratio by volume resin/hardener	100	50	50
Mix ratio by weight resin/hardener	100	43	43
Gel time @ 25° C (100 gram mass)	N/A	26 min.	60 min.
Tack-free time @ 25° C	N/A	3 hours	6 hours

Maximum Service Temperature ..... 160°F

TYPICAL CURED PROPERTIES:

Tensile Strength, psi (ASTM D638) 7,900
Tensile Elongation (ASTM D638) 8.0%
Tensile Modulus, psi(ASTM D638) 390,000
Flexural Strength, psi(ASTM D790) 13,000
Flexural Modulus, psi(ASTM D790) 420,000
Heat Deflection Temperature, ° F 128
CompressiveStrength, psi(ASTM D695): at yield 13,000
at failure 26,000

Sizes available: Resin is packaged in containers from one U.S. pint (16 oz.) to 55-gallon drums.
Hardeners are packaged in containers from one U.S. half-pint (8 oz.) to 55-gallon drums.

For health and safety information concerning this product, please refer to the MSDS sheets for System Three Silvvertip Coating & Laminating Resin and Hardeners. MSDS sheets are available on our website at www.systemthree.com, or by calling or writing System Three Technical Support.

The information contained herein is based on the data available to us and is believed to be correct. However, System Three Resins, Inc. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. System Three assumes no responsibility for injury from the use of the product described herein.