

PREMIUM ADHESIVES & COATINGS

Product Catalog

ANTHON .

Helping You Put It All Together. MARINE • HOME REPAIR • HOBBY

In Same

www.systemthree.com

The Only Permanent Way To EndRot



Deck Footings

Contents: 6 ea. BOR8RODS 2 oz. Board Defense® 2 oz. RotFix® Resin 1 oz. RotFix Hardener 8 oz. SculpWood® Resin 8 oz. SculpWood Hardener 2 pair Gloves 1 ea. Literature Pack

4005K99

EndRot Wood Restoration Kit

EndRo

Wood Restoration Ki

The Cost

Effective Alternative to Replacement

Window Sills

Avoid costly replacement and ineffective rot repairs with EndRot from System Three Resins. Utilizing the 4-part EndRot Wood Restoration System fungal decay and insect damaged wood is eliminated. Then the damaged wood is repaired with state-of-the-art epoxies. This system is easy to use and is the only permanent solution to rot problems.

The EndRot Wood Restoration Kit contains enough material to do a typical repair to a window or door severely damaged by rot. For larger or multiple repairs, RotFix, SculpWood, Board Defense and BOR8RODS are all available in larger sizes.

Get your EndRot Wood Restoration Kit at www.systemthree.com so you can experience these high performance products and end your rot problem for good.



PREMIUM ADHESIVES & COATINGS

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See your nearest dealer for all your System Three products or go to **www.systemthree.com** for the latest information, videos, technical data and MSDS regarding System Three products.

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SilverTip EpoxyTM - Coating and Fiberglassing

Product Description:

- Exceptionally fast wet-out of fiberglass and other reinforcing media.
- Superior defoaming properties and little tendency to float fabric.
- Resistance to print-through.
- Has excellent hot weather performance following a mild post-cure compared to most room temperature cure resin systems.
- Cures without forming an amine blush with either the fast or slow hardener.
- Cures quickly to a sandable state (no sanding required between coats when recoating within 72 hours). Sandable same day with fast hardener.
- Features a convenient 2:1 mixing ratio.
- Use either a slow or fast hardener or blend the two hardeners for even more flexibility in working time.
- Cures exceptionally clear for bright finished applications.
- Compatible with all 2-part and most 1-part marine primers.
- SilverTip Slow Hardener can be post-cured for even greater high temperature resistance and elevated mechanical specifications.

Product Uses:

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

• Physical Properties:

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
Mixed Viscosity	
Mixed Color	Colorless to Light Yellow
Coverage	See Appendix A
Maximum Service Temperature	160°F (70°C)
Tensile Strength, psi	
Tensile Elongation	
Flexural Strength, psi	
Flexural Modulus, psi	
Compressive Strength, psi: at yield	
at failure	
Gel Time @ 77°F (25°C)	
Fast Hardener	26 Minutes (100g mixture)
Slow Hardener	60 Minutes (100g mixture)
Tack Free Time Thin Film@ 77°F (25°C)	
Fast Hardener	3 Hours
Slow Hardener	6 Hours
Minimum Application Temperature	
Fast Hardener	
Slow Hardener	55°F (13°C)



SilverTip



Resins and hardeners are sold individually, pictures are show as kits.

RESINS (Part A)	0900A16	Quart
	0900A24	Gallon
	0900A30	5 Gallon

	0900B14 Fast	Pint
	0901B14 Slow	
	0900B16 Fast	Quart
	0901B16 Slow	
art B)	0900B20 Fast	1/ 0-11-1
RS (P	0901B20 Slow	1/2 Gallon
DENEI	0900B24 Fast	Gallon
HARD	0901B24 Slow	
	0900B28 Fast	2½ Gallon
	0901B28 Slow	
	0900B30 Fast	5 Gallon
	0901B30 Slow	



SilverTip QuikFairTM - 3 Hour Sandable Fairing Putty



Product Description:

- Buttery smooth consistency; spreads with ease and control.
- Will not sag, drag or pull.

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- Simple two-component system; requires no additional modification with fillers or thickeners.
- Two color system ensures complete mixing.
- Fast curing; can be hand sanded in three hours allowing for three applications in one 8-hour work day.
- 100% waterproof; for use above or below the waterline.
- Compatible with most marine primers and topcoats.
- Fills pinholes in one application.
- No shrinkage on curing.

Product Uses:

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

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
Mixed Viscosity	Thixotropic
Mixed Color	Ťan
Coverage	See Appendix A
Gel Time @ 77°F (25°C)	
Tack Free Time @ 77°F (25°C)	
Minimum Application Temperature	50°F (10°C)

uikFair Kits	1400K40	11/2 Pint
	1400K42	11/2 Quart
	1400K44	3 Quart
0	1400K46	1½ Gallon



SilverTip GelMagicTM - Non-Sagging Structural Adhesive

Product Description:

100% waterproof, structural marine adhesive that forms superior bonds to wood, composites, aluminum, mild and stainless steel, concrete and most porous materials.

- For use above and below the waterline.
- · Bonds are permanent, non-brittle, highly impact and creep resistant.
- Features a convenient 2:1 mixing ratio.
- · Resin and hardener are in a liquid state for easy measuring and mixing.
- After mixing forms a self thickening, "thixotropic", easy-to-spread gel, that will not run or sag on vertical or overhead surfaces.
- Will not shrink upon curing; fills large gaps without loss of strength.
- Unique color indicator (blue) disappears when resin and hardener are thoroughly mixed.
- · Can be dispensed through most simple lever action, gear or displacement metering systems.
- Available in cartridges that dispense with a conventional caulking gun.

Product 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.

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
Mixed Viscosity	4,000 cps
Mixed Color	Amber
Coverage @ 250 microns (10 mils)	See Appendix A
Maximum Service Temperature	170°F (75°C)
Minimum Application Temperature	50°F (10°C)
Lap-Shear Strength, psi.:	
Polyester Laminate	
Concrete	
Wood (Maple)	
Aluminum	
Galvanized Steel	
Copper	
Gel Time @ 77°F (25°C)	30 Minutes (100g mixture)
Tack Free Time @ 77°F (25°C)	

lagic Kits	1230K91	6.45 fl. oz. Cartridge
	1230K40	11/2 Pint
	1230K42	1½ Quart
Gel	1230K44	3 Quart
	1230K46	1½ Gallon



*Shown with available mixing tip, see Measuring & Mixing page for details.



SilverTip EZ-FilletTM - Stitch-and-Glue Putty



Product Description: Create perfect structural or cosmetic fillets easily.

- Simple two component system; requires no additional modification with fillers or thickeners.
- Identical consistency every time.
- Smooth non-sagging formula spreads easily and stays put. Formulated specifically for filleting applications.
- •
- Superior strength with flexibility over a broad surface.
- Two color system ensures complete mixing.
- Sands easily. ٠

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- 100% waterproof; for use above or below the waterline. ٠
- Compatible with most marine primers and topcoats. •

Product Uses:

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

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
MIxed Viscosity	Thixotropic
Mixed Color	Reddish-Brown
Coverage	See Appendix A
Minimum Application Temperature	
Gel Time @ 77°F (25°C)	60 Minutes (100g mixture)
Tack Free Time @ 77°F (25°C)	

EZ-Fillet Kits	1430K40	1½ Pint
	1430K42	11/2 Quart
	1430K44	3 Quart
	1430K46	1½ Gallon



SilverTip MetlWeldTM - Multi-substrate Adhesive

Product Description:

A metal-filled structural adhesive specifically formulated for superior adhesion to dissimilar metals. For use in high stress applications when bonding metals to materials such as glass, composites, wood and concrete.

- 100% waterproof.
- Will not shrink upon curing; fills large gaps without loss of strength.
- Features a convienient 1:1 mixing ratio.
- Superior adhesion to brass, copper, bronze, aluminum, galvanized, stainless and mild steel, glass, wood, composite and most porous materials.
- · Forms permanent, non-brittle bonds with high impact and creep resistance.
- Cures reliably at temperatures as low as 50°F.

Product Uses:

Use MetlWeld for metal to metal, metal to wood and for bonding other dissimilar materials like stone, concrete, ceramics and even glass. MetlWeld does not bond well to thermoplastic materials like polyethylene, polypropylene, nylon, Delrin[®], PVC, etc. Testing is always prudent if there is any question about the materials being bonded.

Surface Preparation:

Surfaces to be bonded should be freshly sanded and clean of grease, wax, oil and other contaminants. At 77°F allow 48 hours to cure and develop strength (longer at cooler temperatures) before subjecting to stress.

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
Mixed Viscosity	
Mixed Color	Gray
Coverage (20mil Glue Line)	
Minimum Application Temperature	
Maximum Service Temperature (continuous use)	
Lap Shear Strength:	
Aluminum to Aluminum, psi	2,150
Cold-Rolled Steel	
Brass	
T-Peel Strength, PLI	
Gel Time @ 77°F (25°C)	30 Minutes (100g mixture)
Tack Free Time @ 77°F (25°C)	

MetIWeld Kits	1200K10	1/2 Pint
	1200K14	Pint
	1200K16	Quart



System Three General Purpose Resin

Product Description:

- Features a convenient 2:1 mixing ratio.
- A solvent-free, unfilled, epoxy system.
- Use for almost all epoxy applications.
- · Resin formulated for use with any of three hardeners.
- Select hardener based on minimum temperatures expected during application and desired pot life.
- Combine different System Three General Purpose Hardeners to provide a continuous range of cure times.

Product Uses:

System Three General Purpose Epoxy works great for wood construction and repair, for gel coat blister repair, and for general fiberglass repair. Use at a simple 2:1 ratio with any of the three hardeners. Use at temperatures as low as 35°F with no limitations on humidity. The medium-low viscosity of System Three General Purpose Epoxy allows for use "as is" for coating and fiberglass work. Combine with different fillers to make adhesives, filleting and fairing compounds.

Mix Potio by Volumo	100-50
MIX Ratio by weight	
Total Solids	
Mixed Viscosity (average)	950 cps
Mixed Color	Light Amber
Tensile Strength, psi	
Tensile Elongation	
Flexural Strength, psi	
Flexural Modulus, psi	
Compressive Strength, psi: at yield	
psi: at failure	
Coverage	See Appendix A
Maximum Service Temperature	
Gel Time @ 77°F (25°C)	
#1 Hardener	
#2 Hardener	
#3 Hardener	
Tack Free Time Thin Film @ 77°F (25°C)	(3)
#1 Hardener	2 Hours
#2 Hardener	4-6 Hours
#3 Hardener	
Minimum Application Temperature	
#1 Hardener	
#2 Hardener	55°F (13°C)
#3 Hardener	75°F (25°C)

irt A)	0100A16	Quart
NS (Pé	0100A24	Gallon
RESI	0100A30	5 Gallon
	0101B14 Fast	
art B)	0102B14 Medium	Pint
HARDENERS (P	0103B14 Slow	
	0101B16 Fast	
	0102B16 Medium	Quart
	0103B16 Slow	

0101B20 Fast ½ Gallon 0102B20 Medium ½ Gallon 0103B20 Slow 0101B24 Fast 0102B24 Medium Gallon 0103B24 Slow 0101B28 Fast 0102B28 Medium 2½ Gallon 0102B28 Medium 2½ Gallon 0103B28 Slow 0101B30 Fast 0102B30 Medium 5 Gallon				
0102B20 Medium ½ Gallon 0103B20 Slow 0101B24 Fast 0102B24 Medium Gallon 0103B24 Slow 0101B28 Fast 0102B28 Medium 2½ Gallon 0101B28 Fast 2½ Gallon 0101B28 Slow 2½ Gallon 0103B28 Slow 5 Gallon 0102B30 Medium 5 Gallon		0101B20 Fast	1/2 Gallon	
0103B20 Slow 0101B24 Fast 0102B24 Medium Gallon 0103B24 Slow 0101B28 Fast 0102B28 Medium 2½ Gallon 0103B28 Slow 0101B30 Fast 0102B30 Medium 5 Gallon		0102B20 Medium		
0101B24 Fast Gallon 0102B24 Medium Gallon 0103B24 Slow 0101B28 Fast 0102B28 Medium 2½ Gallon 0103B28 Slow 0101B30 Fast 0102B30 Medium 5 Gallon 0103B30 Slow 0103B30 Slow		0103B20 Slow		
Bit Base 0102B24 Medium Gallon 0103B24 Slow 0101B28 Fast 4 0102B28 Medium 2½ Gallon 2½ Gallon 0103B28 Slow 0101B30 Fast 5 Gallon 0102B30 Medium 5 Gallon 0103B30 Slow		0101B24 Fast		
0103B24 Slow 0101B28 Fast 0102B28 Medium 2½ Gallon 0103B28 Slow 0101B30 Fast 0102B30 Medium 5 Gallon 0103B30 Slow 0103B30 Slow	HARDENERS (Part B)	0102B24 Medium	Gallon	
U101B28 Fast 2½ Gallon 0102B28 Medium 2½ Gallon 0103B28 Slow 0101B30 Fast 0102B30 Medium 5 Gallon 0103B30 Slow 0103B30 Slow		0103B24 Slow		
0102B28 Medium 2½ Gallon 0103B28 Slow 0101B30 Fast 0102B30 Medium 5 Gallon 0103B30 Slow 0103B30 Slow		0101B28 Fast		
0103B28 Slow 0101B30 Fast 0102B30 Medium 0103B30 Slow 5 Gallon		0102B28 Medium	2½ Gallon	
0101B30 Fast 0102B30 Medium 0103B30 Slow		0103B28 Slow		
0102B30 Medium 5 Gallon 0103B30 Slow		0101B30 Fast		
0103B30 Slow		0102B30 Medium	5 Gallon	
		0103B30 Slow		





Clear CoatTM - Coating & Laminating Resin



Product Description:

A two part epoxy coating and laminating resin for use in marine and woodworking applications. Use as a sealer, topcoat, saturation coat or tie-coat.

- Features a convenient 2:1 mixing ratio.
- A clear, almost water-white, solvent-free epoxy system.
- Cures to a clear, glossy, blush-free surface.

Product Uses:

Clear Coat is ideal for clear coating wood, and the wetting out of fiberglass cloth for bright finished boats. Use as a build coat for clear linear polyurethane or varnish coatings and as a penetrating first coat for blister repair on fiberglass boats. Use also for those applications that require a long pot life and low viscosity. Use Clear Coat as the sole epoxy system to make wood strip canoes and kayaks. Protect Clear Coat from moisture during cure to avoid water spotting. See our website, www.systemthree.com, for our "Clear Finishing of Outdoor Wood" project brochure featuring Clear Coat.

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
MIxed Viscosity	
Minimum Application Temperature	60°F (16°C)
Tensile Strength, psi	
Tensile Elongation at Break	
Flexural Strength, psi	
Flexural Modulus, psi	
Compressive Strength, psi: Yield	
Failure	
Coverage	See Appendix A
Minimum Application Temperature	50°F (10°C)
Minimum Application Temperature with 2% Turbo Cure	45°F (7°C)
Gel Time @ 77°F (25°C)	60 Minutes (100g mixture)
Gel Time @ 77°F (25°C) with 2% Turbo Cure	30 Minutes (100g mixture)
Tack FreeTime Thin Film @ 77°F (25°C)	
Full Cure @ 77°F (25°C)	72 Hours

its	0600K40	11/2 Pint
	0600K42	11/2 Quart
oat K	0600K44	3 Quart
Clear C	0600K46	1½ Gallon
	0600K52	3 Gallon
	0600K62	15 Gallon



Product Description:

SB-112 is a clear, almost water white epoxy system, which is UV-resistant for maintaining longer surface gloss. Unlike many epoxy systems, SB-112 will cure to a clear, glossy, blush-free surface.

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- Features a convenient 2:1 mixing ratio. A clear, almost water-white, solvent free epoxy system. .
- UV resistant for maintaining longer surface gloss. Cures to a clear, glossy, blush-free surface. •
- •

Product Uses:

SB-112 is specially formulated for use in building and repairing sail and surfboards over polystyrene cores. It can also be used for coating and composite laminating. SB-112 is unique in that polyester resins and gel coats may be bonded to it without the use of "tie-coats". We recommend that polyester be bonded onto freshly sanded SB-112 epoxy within 48 hours of cure.

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
Mixed Viscosity	
Minimum Application Temperature	
Heat Deflection Temperature	
Tensile Strength, psi	
Tensile Elongation at Break	
Flexural Strength, psi	
Flexural Modulus, psi	
Compressive Strength, psi: Yeild	
Failure	
Coverage	
Gel Time @ 77°F (25°C)	
Tack Free Time Thin Film @ 77°F (25°C)	
Full Cure @ 77°F (25°C)	

SB-112 Kits	0400K40	11/2 Pint	
	0400K42	1½ Quart	
	0400K44	3 Quart	
	0400K46	1½ Gallon	

MirrorCoat[®] - Self-leveling Bar & Tabletop Coating

Product Description:

MirrorCoat is a pourable, self-leveling bar and tabletop coating.

- Easy application.
- Cures crystal clear.
- Exceptionally tough: scratch resistant, waterproof, alcohol proof.
- A single application gives the appearance of multiple coats of varnish.
- 100% solids: no solvents, low odor.
- Apply multiple coats to create striking three dimensional effects.
- · Can be applied over wood, ceramic, stone, concrete and properly prepared metal surfaces.
- Repairable, scratches can be buffed out.
- · Download the latest version of our MirrorCoat brochure on our website.

Product Uses:

Follow the detailed application instructions in the MirrorCoat brochure to achieve outstanding results on bar tops and tables. Also use as a decoupage coating on cloth, leather, photos and other objects.

It is not necessary to stain wood prior to applying, MirrorCoat beautifully brings out the grain and color of the wood. If you decide to stain anyway then practice on the backside of the table or suitable scrap wood to make sure you are getting what you want. Allow all stains at least one week to dry before applying MirrorCoat.

• Physical Properties:

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
Mixed Viscosity	
Hardness, Shore D (72 hrs.)	
Coverage @ 40 mils	40 ft²/Gal (1.0 m²/L)
Minimum Application Temperature	60°F (16°C)
Heat Deflection Temperature	
Tack Free Time Thin Film @ 77°F (25°C)	
Gel Time @ 77°F (25°C)	
Full Cure @ 77°F (25°C)	
	· · · · · · · · · · · · · · · · · · ·







MirrorCoat Kits	0500K40	11/2 Pint
	0500K42	1½ Quart
	0500K44	3 Quart
	0500K46	1½ Gallon
	0500K52	3 Gallon
	0500K62	15 Gallon

HOW MUCH PRODUCT? 3 fluid ounces per square foot.

Example:

3-Qt kit will give a 4'x8' sheet of plywood a 40mil. (.040 inches) thick coating.

WHAT YOU WILL NEED

- Disposable latex or vinyl gloves
- Graduated wax paper cups or plastic tubs
- Mixing sticks
- Disposable paint brushes
- Portable propane torch
- Rags
- Level

Turbo Cure Accelerator™

Product Description:

For use with Clear Coat, SB-112 and MirrorCoat. Turbo Cure is designed to speed up cures during cold weather. Use a maximum of 1 fluid ounce per quart of resin. Data below for Clear Coat epoxy @ 70°F.

Product Use:

Use to cut the cure time of Clear Coat, SB-112 and MirrorCoat.

Turbo Cure	3230S06	4 fl. oz.
	3230S14	Pint

Use: Add Turbo Cure Accelerator in accordance with the table below and mix thoroughly. Use immediately.

mL	Weight Percent (%)	Gel Time (Minutes)	Cure Time (Minutes)
0	.0	70	240
5	.67	57	210
10	1.33	41	170
15	2.00	33	135
20	2.66	26	105
25	3.30	21	80
30	4.00	18	70



The addition of Turbo Cure Accelerator greatly increases the reaction speed especially when material is confined in the pot.



Product Description:

Cold Cure was formulated to extend the number of months during which epoxy can be used effectively outdoors. Today Cold Cure is relied upon as an all-purpose epoxy resin system by boat builders, contractors, engineers, manufacturers, home owners and artisans.

Cold Cure is a 100% solids, unfilled, medium modulus, low viscosity, moisture tolerant epoxy system. Cold Cure has low odor and no VOC's. It is non-shrinking, flexible and has excellent resistance to cracking, abrasion, common chemicals and fatigue. Cold Cure is clear and is compatible with most paints and clear finishes. When cured it can be machined, drilled, sanded and tapped. Cold Cure may be used effectively down to 35°F (2°C) in 100% relative humidity. It is an easy to use 2:1 ratio. It will not blush or turn milky in thin films and cures overnight.

Cold Cure is a waterproof structural adhesive, corrosion resistant coating, sealer, laminating resin and filler.

Product Uses:

Use Cold Cure as a structural adhesive for:

Bonding wood to wood, wood to concrete, steel to concrete or wood, wood to fiberglass, concrete to concrete or fiberglass.

Use Cold Cure as a corrosion resistant coating for steel and concrete

Use Cold Cure as a sealer for: concrete (garage floors or foundations), fiber-reinforced polyester (boat hulls & pultruded glass), lumber (all outdoor end grains)(compatible with pressure treated wood), see also S-1.

Use Cold Cure as a laminating resin for:

Plywood (sheathing with fiberglass cloth for boats or decks), Veneer (cold molding), Fiberglass (making composites).

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
Mixed Viscosity	
Mixed Color	Amber
Tensile Strength	6,000 psi
Compressive Strength	
Elongation	
Coverage @ 250 microns (10 mils)	See Appendix A
Minimum Application Temperature	
Maximum Service Temperature	
Gel Time @ 77°F (25°C)	45 Minutes (100g mixture)
Tack Free Time Thin Film @ 77°F (25°C)	24 Hours (100g mixture)
Full Cure @ 77°F (25°C)	

	F1000K38	12 fl. oz.
its	F1000K40	11/2 Pint
ire Ki	F1000K42	11/2 Quart
oldCt	F1000K46	1½ Gallon
ŭ	F1000K52	3 Gallon
	F1000K62	15 Gallon

S•1[™] - Clear Penetrating Epoxy Sealer

Product Description:

S-1 is a two part Clear Penetrating Epoxy Sealer. Mixed at a simple 1:1 ratio S-1 is extremely effective at prolonging the service life of all woods, concrete, metals and fiberglass reinforced polyester for marine use only. S-1 is ready to use with no thinning required. It displays excellent wetting properties on most surfaces. S-1 has a long pot life and can be applied with a brush, roller or spray equipment. It is completely waterproof and suitable for use above or below the waterline. S-1 is a superb undercoat primer for most paints and clear finishes featuring strong adhesion to most substrates with minimal surface preparation. S-1 does not require sanding between coats if recoat time is less than 24 hours. It is resistant to salt air, mild acids, alkalis, chemicals and solvents. S-1 is not recommended for gas tanks containing unleaded gasoline.

Product Uses:

For Wood: S-1 seals effectively against moisture and oxygen, helping to protect against wood rot. It is ideal for yacht interiors, shelving, cabinets and furniture.

For Concrete: S-1 is an excellent moisture barrier for concrete surfaces.

For Metals: S-1 helps to prevent oxidation and chemical exposure effects including staining and tarnish. For FRP (fiberglass): Coat polyester laminates with S-1 to provide complete moisture resistance that the fiberglass by itself cannot provide. Use as a first sealer step in gelcoat blister repair, after the blisters have been ground out.

NOTES

Add System Three Epoxy Paste Pigments up to 10% of the Part A Resin to make colored S-1 Sealer. S-1 contains flammable, hazardous, petroleum solvents and must be handled more carefully than our other solvent-free products.

For complete safety and handling information see the MSDS for S-1 Sealer on our website at www.systemthree.com

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
Mixed Viscosity	
Mixed Color	Clear
Application Temperature Range	59°F to 104°F (15°C to 40°C)
Coverage (wet) @ 250 microns (10 mils)	
Maximum Service Temperature	4°F to 160°F (-20°C to 72°C)
Tack-free Time @ 77°F (25°C)	
Full Cure @ 77°F (25°C)	24-36 Hours

ş	F1400K20	2 Quart
1 K	F1400K50	2 Gallon
S	F1400K60	10 Gallon





Quick Cure® 5 & 15 - Rapid Cure Adhesive

Product Description:

- A two-component, solvent-free, epoxy/polymercaptan adhesive system.
 - Mix at a convenient 1:1 ratio.

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- Ideal for all small jobs requiring a strong bond and rapid cure.
- An excellent gap filling adhesive.
- Highly water resistant but not waterproof.
- Cures at lower temperatures.
- Available in cartridges that dispense with a conventional caulking gun.

Product Uses:

Use Quick Cure for installing bungs, repairing missed staple holes prior to fiberglassing, "tack welding" wood, and for those other glue jobs, which require a fast cure. Do not use below the waterline unless protected by an over coating like SilverTip Laminating Resin, STR General Purpose Epoxy, Clear Coat, etc.

Miss Dette has Malana	100,100
MIX Ratio by volume	
Mix Ratio by Weight	
Total Solids	
Mixed Viscosity	
Tensile Lap-Shear Strength (Aluminum/Aluminum), psi	
Heat Deflection Temperature	101°F (38°C)
Maximum Service Temperature	
Coverage @ 20mil Glue Line	
Minimum Application Temperature	
Gel Time @ 77°F (25°C)	
Quick Cure 5	4-5 Minutes (30g mixture)
Quick Cure 15	
Tack Free @ 77°F (25°C)	
Quick Cure 5	
Quick Cure 15	

1000K90	50mL Syringe
1000K91	8.45 fl. oz. Cartridge
1000K10	1/2 Pint
1000K14	1 Pint
1000K16	1 Quart
	1000K90 1000K91 1000K10 1000K14 1000K16

Vits	1010K91	8.45 fl. oz. Cartridge
e 15 I	1010K10	1/2 Pint
k Cur	1010K14	1 Pint
Quic	1010K16	1 Quart

T-88[®] - Structural Adhesive

Product Description:

T-88 is a high-performance, non-brittle, two-part epoxy adhesive designed to give superior results under adverse conditions.

- Mix at a convenient 1:1 by ratio
- Designed to give superior performance under adverse conditions
- · Exhibits outstanding adhesion on a wide variety of materials
- May be used to glue damp wood provided T-88 is worked well into the surface
- Meets the requirements of the following product specifications: MIL-A-81236(OS), MMM-A-134(1) and CID A-A-3053
- Available in cartridges that dispense with a conventional caulking gun.

Product Uses:

For well over 25 years T-88 has been the most widely used structural adhesive for marine and general woodworking use in the United States. Mixed at a 1:1 ratio, T-88 will cure at temperatures as low as 35°F. 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. T-88 is unique in that it may be applied to damp wood, provided it is worked well into the surface.

Mix Ratio by Volume	
Mix Ratio by Weight	100:83
Total Solids	
Mixed Viscosity	9,000 cps
Tensile Strength, psi	
Flexural Strength, psi	
Lap-Shear Strength, psi:	
Polyester Laminate	
Concrete	
Wood (Maple)	1,800
Aluminum	
Galvanized Steel	
Copper	
Lap-Shear Strength vs. Temperature (Aluminum Tensile Shear) psi:	
67°F	2,500
75°F	
150°F	
180°F	
Heat Deflection Temperature	119°F (49°C)
Maximum Service Temperature	160°F (71°C)
Minimum Application Temperature	
Coverage @ 20mils	80 ft ² /gal (2 m ² /L)
Gel Time @ 77°F (25°C)	60 Minutes (100g mixture)
Full Cure @ 77°F (25°C)	72 Hours

	1100K91	8.45 oz. Cartridge
	1100K90	50mL Syringe
	1100K10	1/2 Pint
ts	1100K14	1 Pint
88 Ki	1100K16	1 Quart
4	1100K20	1/2 Gallon
	1100K24	1 Gallon
	1100K50	2 Gallon
	1100K60	10 Gallon



*Shown with available mixing tip, see Measuring & Mixing page for details





Product Description:

For over 35 years, G-2 has been an excellent adhesive choice for oily, acidic hardwoods like teak and other tropical woods. Use it for gluing oak and cedar, as well as other materials that are difficult to bond. G-2 was developed primarily for waterproof bonding of rot-resistant woods used in fine yacht joinery. Use G-2 for both interior and exterior applications as well as below the waterline. G-2 can be mixed in small or large batches, has a long pot life and cures overnight. No clamping pressure is required. After fully curing it can be machined, drilled, sanded and tapped.

Product Uses:

Marine – Ideal for stitch-and-glue, sheet plywood, strip planking and cold molding. Perfect for laminating stems, ribs and deck beams. Bonds marine woods to fiberglass, ferro cement and steel vessels. Can be mixed with wood flour, anti-sag powders, minifibers, microballoons or sand to make marine fillers, gels, putties, fairing compounds and grouts.

Construction – Use for making strong structural joints and laminations. G-2 is found in laminated wood beams, doors, windows, millwork, furniture, cabinets, window frames, archery bows and wooden tools.

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
Mixed Viscosity	5,500 cps
Mixed Color	Light Amber
Tensile Strength	
Compressive Strength	
Elongation	
Application Temperature Range	
Coverage @ 250 microns (10 mils)	
Maximum Service Temperature	4°F to 160°F (-20°C to 72°C)
Gel Time @ 77°F (25°C)	
Full Cure @ 77°F (25°C)	

its	F1110K38	12 fl oz
ue K	F1110K40	11/2 Pint
2 GI	F1110K42	11/2 Quart
Ģ	F1110K46	1½ Gallon

RotFix[®] - Wood Sealer & Consolidator for Rot Repair

Product Description:

An ultra-low viscosity, penetrating sealer for hardening and solidifying rot damaged wood.

- 100% solids formulation is low odor and solvent free.
- Flows like water for superior penetration into wood and most porous materials.
- Two part system features an easy 2:1 mixing ratio.
- Apply by pouring or brush.
- Reliably cures at temperatures as low as 35°F.
- Can be used on damp wood.
- Use to harden soft, "punky", wood as a base for further repair.
- Seals wood permanently to prevent future moisture penetration.
- Part of the EndRot Repair and Restoration System by System Three for permanent repairs to rot and insect damaged architectural components. See the inside front cover of this catalog for information about the EndRot Kit.

Product Uses:

Use RotFix to penetrate deep into deteriorated and punky wood creating a strong, solid base for restoration. After RotFix application, replace missing sections with System Three SculpWood Putty and/or SculpWood Paste.

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
Mixed Viscosity	
Mixed Color	Amber
Hardness, shore D (48 hr.)	
Minimum Application Temperature	
Gel Time @ 77°F (25°C)	
Full Cure @ 77°F (25°C)	

x Kits	1500K40	11/2 Pint
	1500K42	1½ Quart
RotFi	1500K44	3 Quart
	1500K46	1½ Gallon





SculpWood® Putty - Moldable Epoxy Putty for Wood Restoration



Product Description:

A moldable, waterproof putty, for interior or exterior use that kneads like clay and cures to a permanent wood-like state.

- Use to replace rotted or chipped away wood; cracks and other cosmetic defects in window and door sills, frames, railings, furniture, etc.
- Will not shrink or become brittle after curing.
- Features a convenient 1:1 mixing ratio.
- Resin and hardener are easily mixed by hand.
- Can be easily shaped and tooled: will not slump or sag. Once cured can be sanded, carved or machined.
- Can be primed and painted to match an existing finish.
- Once cured will hold fasteners, nails, screws, etc.
- Part of the EndRot Wood Restoration System by System Three for permanent, non-structural repairs to rot and insect damaged architectural components.

See the inside front cover of this catalog for information about the EndRot Kit.

Product Uses:

Use SculpWood for replacing missing sections of window sills, frames and furniture, cosmetic repair or for adding new sections to existing structures.

• Physical Properties:

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
Mixed Color	Brown
Minimum Application Temperature	
Working Time @ 77°F (25°C)	
Time to Sand (Block or Hand)	8 Hours / (Machine sand) 10 Hours

SculpWood Putty Kits	1600K16	1 Quart	
	1600K20	1/2 Gallon	
	1600K50	2 Gallon	



SculpWood[®] Paste - Spreadable Epoxy Paste for Wood Restoration

A spreadable, waterproof paste for

A spreadable, waterproof paste for filling cracks and defects in rot-damaged wood.

- Spreads with ease and control.
- Will not sag, drag or pull.
- Simple two-component system; requires no additional modification with fillers or thickeners.
- Features a convenient 1:1 mixing ratio.
- Two color system ensures complete mixing.
- 100% waterproof.

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No shrinkage on curing.

Product Uses:

For home repair SculpWood Paste may be used to replace dry-rotted wood on windowsills, railings, etc. without priming with RotFix. Excellent for filling cracks, chinks, dings and scratches in wood.

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids	
Mixed Color	Brown
Minimum Application Temperature	
Working Time @ 77°F (25°C)	
Time to Sand (Block or Hand sand)	4 Hours / (Machine sand)

ood its	1610K16	1 Quart
ulp Wc ste K	1610K20	2 Quart
Sci Pa	1610K50	2 Gallon



Board Defense® - Powder Wood Preservative & Insecticide

Product Description:

Board Defense is an EPA registered insecticide, termiticide and fungicide concentrate for the control of wood destroying insects and rot. It is a very versatile product for the protection and treatment of wood against all wood destroying organisms. Board Defense is a water-soluble white powder. It can be used dry or in solution to form an effective penetrating solution. There are no hazardous solvents or odors. The active ingredient in Board Defense, Disodium Octaborate Tetrahydrate, is a borate derivative that will not break down over time. Borates have been used as a safe and effective pest control for over 40 years.

Product Uses:

Board Defense is effective against decay, fungi, termites, beetles, carpenter ants, cockroaches, ants, silverfish and crickets. Board Defense is used as the first step in System Three Resins' EndRot Repair and Restoration System to make sure that the wood destroying organisms are destroyed before the substrate is repaired and patched. When applied as a solution, Board Defense will use the moisture present in wood to penetrate deep into the board. Since Board Defense does not break down, the active ingredient will be drawn deeper into the wood over time.

ard ense	1510S04	Borate Powder, 2 oz. (Makes 1 pint of liquid)
Defe	1510S16	Borate Powder, 1 lb. (Makes 1 gallon of liquid)

See the inside front cover of this catalog for information about the EndRot Kit.

BOR8 RODS® - Solid Wood Preservative

Product Description:

BOR8RODS are easy, low-cost and EPA approved as a decay protection and prevention system for wood. They are available in a variety of sizes for a wide range of dimensinal wood sizes. Borates effectively control wood destroying fungus and insects. BOR8RODS are placed into holes drilled in wood at key locations. As the rods dissolve, the borate preservative migrates to areas of highest moisture and concentrates where wood is most susceptible to decay. They are user friendly and environmentally acceptable and need not be replaced for years. BOR8RODS are an important part of System Three Resins' EndRot Repair and Restoration System.

Product Uses:

1514S99

Use BOR8RODS in all areas where wood is exposed to moisture. These high exposure areas include:

- Flooring and Foundation Systems. The greatest risks for decay are at exposed wood end grain and at wood joints where moisture is more readily absorbed than on side surfaces.
- Window and Door Framing: Anywhere weathering of paint and exposure has occurred.
- Exterior Steps, Porches and Decking: Install BOR8RODS in posts, rails, wood ends, joints and trim.
- · Roof Trim and Facia: Facia boards supporting gutter systems and soffits are especially vulnerable to decay attack.
- · Roof and Attic: Install BOR8RODS where leaks have caused water damage to support members and rafters.
- Log Construction: BOR8RODS should be installed wherever logs are not protected from the elements.
- Poles and Posts: Install BOR8RODS where moisture may cause decay; especially in building and foundation poles.

spc	1519S99	1/3" x 2 5/8" – 12 Rods
DS Re	1524S99	1/3" x 1" – 12 Rods
38ROI	1529S99	1/2 x 2" – 6 Rods
BOF	1534S99	1/2 x 4" – 6 Rods
	1539S99	3/4 x 3" – 6 Rods

1/4 x 1/2" - 12 Rods



For more information on what size rods to best suite your project, go to the "product literature" page online at systemthree.com

See the inside front cover of this catalog for information about the EndRot Kit.









Product Description:

SilverTip Yacht Primer is a water-borne, two-part marine epoxy primer specifically formulated as a base for System Three[®] WR-LPU Topcoat. In addition, it is non-flammable and contains no highly-hazardous (HAPS) solvents or heavy metals.

- Easy to apply by brush, roller or sprayer.
- Use above or below the waterline.
- Performance equal to solvent-borne counterparts.
- Thins and cleans up with water.
- Low VOC formula requires no special handling or storage.
- Long 6 hour pot life.
- No sanding required before topcoat or bottom paint application.
- Easily sands for smoother topcoat appearance.

Product Uses:

Yacht Primer can be applied over properly prepared polyester or epoxy resin, wood, metal, and cementitious surfaces. Use Yacht Primer as a base coat for anti-fouling paints or over epoxy or vinyl ester barrier coats before top coating. It will provide performance equal to its solventborne counterparts in film-build, and sandability. For clean-up and thinning, refer to Appendix B and download the System Three Paint Application Guide at www.systemthree.com.

Mix Ratio by Volume	
Mix Ratio by Weight	
Total Solids by Volume	
Total Solids by Weight	
Mixed Viscosity (Krebs Units)	
Mixed Color	Light Gray
Coverage: Wet Film Thickness @ 6 - 8 mils	200 - 250 ft ² /gal (5 - 6.25 m ² /L)
Dry Film Thickness @ 3 - 4 mils	200 - 250 ft ² /gal (5 - 6.25 m ² /L)
Minimum Application Temperature	50°F (10°C)
Pot Life @ 77°F (25°C)	6 Hours
Re-Coat Time @ 77°F (25°C)	2 Hours minimum
Full Cure @ 77°F (25°C)	

r Kits	1710K06	5 fl. oz.	
Prime	1710K16	1 Quart	
Yacht	1710K24	1 Gallon	

WR-LPU Topcoat[™] - Waterborne Enamel Paint

Product Description:

WR-LPU Topcoat is a two-part linear polyurethane coating specifically formulated for maximum performance and ease of use. Available in 12 standard colors as well as clear satin and high gloss. When cured it is moisture, solvent and fuel resistant. WR-LPU contains UV absorbers and will not yellow or lose gloss for years, depending on exposure. The WR-LPU product kit contains a can of paint and a bottle of crosslinking material.

- A two-part, waterborne linear polyurethane enamel.
- · Formulated for ease of use.
- · Provides appearance and performance equal to its solvent-borne counterparts.
- Available in clear gloss, clear satin and 12 popular colors.
- Cures to a high quality surface without crosslinker.
- Addition of optional crosslinking material produces a tougher more durable film.
- When cured WR-LPU is moisture, solvent and fuel resistant.

Product Uses:

Use WR-LPU for both interior and exterior surfaces. It is not intended for continuous below waterline use. Used as a clear finish without the primer, it can beautify and protect wood from discoloration and degradation. For clean-up and thinning, refer to Appendix B and download the "System Three Paint Application Guide" at www.systemthree.com.

• Physical Properties:

Mix Ratio by Volume (crosslinker)	2 oz./gal (15ml/L)
(Approximate 8 drops Crosslinker per ounce of paint base.)	
Solids by Weight (colors)	
Mixed Viscosity (Krebs units)	
Application Temperature Range	55°F - 90°F (12°C - 32°C)
Coverage: Wet Film Thickness @ 6 - 7 mils	350 - 400 ft²/gal (8.74 - 10 m²/L)
Dry Film Thickness @ 2½ - 3 mils	350 - 400 ft²/gal (8.74 - 10 m²/L)
Application Temperature Range	55 - 85°F (13 - 30°C)
Pot Life @ 77°F (25°C)	8 Hours
Drying Time @ 77°F (25°C)	60 Minutes
Re-Coat Time @ 77°F (25°C) (without crosslinker)	14 Days Maximum
Re-Coat Time @ 77°F (25°C) (with crosslinker)	24 Hours Maximum

	1800S06 4 fl. oz.		
	1800K16 Quart	Orcas White	
	1800K24 Gallon		
	1801S06 4 fl. oz.		
	1801K16 Quart	Clear Gloss	
	1801K24 Gallon		
	1802S06 4 fl. oz.		
	1802K16 Quart	Clear Satin	
	1802K24 Gallon		
Kits	1810S06 4 fl. oz.		
-LPU	1810K16 Quart	Decatur Black	
WR	1810K24 Gallon		
	1811S06 4 fl. oz.		
	1811K16 Quart	Whidbey White	
	1811K24 Gallon		
	1812S06 4 fl. oz.		
	1812K16 Quart	San Juan Tan	
	1812K24 Gallon		
	1813S06 4 fl. oz.		
	1813K16 Quart	Bainbridge White	
	1813K24 Gallon		

	1814S06 4 fl. oz.		
	1814K16 Quart	Vashon Gray	
	1814K24 Gallon		
	1815S06 4 fl. oz.		
	1815K16 Quart Camano Red		
	1815K24 Gallon		
	1816S06 4 fl. oz.		
	1816K16 Quart	Mercer Green	
	1816K24 Gallon		
(Its	1817S06 4 fl. oz.		
L P U	1817K16 Quart	Lopez Blue	
ΥH	1817K24 Gallon		
	1818S06 4 fl. oz.		
	1818K16 Quart	Shaw Blue	
	1818K24 Gallon		
	1819S06 4 fl. oz.		
	1819K16 Quart	Sinclair	
	1819K24 Gallon	Tellow	
	1820S06 4 fl. oz.		
	1820K16 Quart	Fox Orange	
	1820K24 Gallon		

The 4 fl.oz. WR-LPU does not include crosslinker, WR-LPU will dry regardless.*

	1800B01	½ fl. oz.
slinkei	1800B02	1 fl. oz.
Cross	1800B04	2 fl. oz.
•	1800B12	10 fl. oz.

WR-LPU Quarts & Gallons come with crosslinker. The 4 fl. oz. size WR-LPU does not include crosslinker. It is not necessary to use Crosslinker in order for the paint to dry.



*The colors on our website's downloadable color card are close representations of the actual paint colors. However, since monitors and printers vary, do not rely on the electronic color card for an exact match. If you would like our printed color card mailed to you, please contact us.



System Three Spar Urethane Varnish



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Product Description:

Spar Urethane Varnish is a high solids finish designed for marine and exterior surfaces. This product contains ultraviolet light absorbers, which offer excellent protection from sun, salt air and water.

- Available in Gloss or Satin finish.
- A high solids, VOC compliant finish.
- Designed for marine and exterior wood surfaces.
- Offers excellent protection from salt air and water.
- Contains ultraviolet light absorbers which will keep wood looking beautiful even with constant exposure to sunlight. ٠ •
- Formulated to cure properly over System Three epoxy products.



Product Uses:

Use on boats, outdoor furniture, doors or on any surface where a clear satin or glass-like finish is desired. Clear Coat makes an excellent base for Spar Urethane Varnish when superior weather resistance is required. Read the System Three "Clear Finishing of Outdoor Wood" brochure for further information on this combination of products for long lasting preservation of outdoor wood. Download the brochure from www.systemthree.com.

Total Solids by Weight	
Color	Very Light Amber
Coverage	300 - 350 ft ² /Gal (7.5 - 8.75 m ² /L)
Minimum Application Temperature	
Tack Free @ 77°F (25°C)	
Re-Coat Time @ 77°F (25°C)	12 - 24 Hours
Dry-Through Time @ 77°F (25°C)	

4	1850S16	1 Quart Gloss	
arnisl	1850S24	1 Gallon Gloss	1
Spar V	1855S16	1 Quart Satin	9
	1855S24	1 Gallon Satin	3



ACCESSORIES

Measuring & Mixing Tools

Graduated Cups & Mixing Tubs

Our graduated cups and mixing tubs are inexpensive and accurate when used correctly.

3000S99	Graduated Plastic Cups 1 oz. 100 pack
3001S99	Graduated Paper Cups 3 oz. 12 pack
3001S99	Graduated Paper Cups 3 oz. 100 Pack
3001S99	Graduated Paper Cups 3 oz. 5,000 case
3002S99	Graduated Plastic Cups 4 oz. 20 Pack
3002S99	Graduated Plastic Cups 4 oz. 500 case

3003S99	Graduated Paper Cups 12 oz. 12 Pack
3003S99	Graduated Paper Cups 12 oz. 100 Pack
3003S99	Graduated Paper Cups 12 oz. 2,000 case
3010S99	Plastic Tub, 1 Quart
3011S99	Quart Lid, Each
3015S99	Plastic Tub, 5 Quart
3016S99	Plastic Lit, 5 Quart





Plunger Pumps

Sometimes called "mustard pumps", these dispensers fit on the top of our 16oz., 32oz., ½ Gal., Gal., 2½ Gal., and 5 Gal. containers. We recommend the pumps be used to dispense only. **Not recommended for measuring resins.** Dispense into a measuring cup for accurate measurment. The plunger pump works well with SilverTip Laminating Resin, General Purpose Epoxy Resin, Clear Coat and SB-112 (*not for use with Quick Cure, T-88 or MirrorCoat*).

3021S99	Plunger Pump, set of two
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iBalance 500 Digital Scale

A compact professional scale, accurate to 0.1 grams. Maximum capacity 500g. A great scale for measuring epoxy products. Reads in grams, ounces, pounds and more. Runs on batteries or AC (adapter included).

3060S99	iBalance 500 Digital Scale
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Syringes

These 12cc & 60cc syringes can be used to inject mixed epoxy into cracks or apply a small bead of glue.

3550S99	Syringe, 12cc
3551S99	Syringe, 60cc

Mixing Sticks

2040500	Mixing Sticks, 25 pack
3040399	Mixing Sticks, Box of 500

Jiffy Mixer

This is a very effective 2½" diameter stainless mixer on a 15" shaft. Attached to a drill motor this is a fast, efficient tool for mixing large batches of epoxy or paint. The sides of the mixer are protected so they will not gouge into the sides or bottom of your mixing container.

3050S99 Jiffy Mixer, Model "HS" 15

Caulking Gun

System Three offers a high quality caulking gun capable of reliably dispensing higher viscosity epoxy adhesives. For use with the u-TAH[®] cartridge delivery system.

3650S99	Caulking Gun
0000000	outlining out

u-TAH[®] Mixing Tips & Fang Dispenser

Disposable static mixer for the u-TAH cartridge. This patented product ensures superior mixing performance and allows the operator to be closer to the work piece. The square geometry consists of a series of alternating left-and right-hand elements with intermittent flow inverters which effectively channel the fluids from the walls into the center of the mixer. Need only a small amount of product? Use the Fang Dispenser to cleanly dispense small separated amounts of product for manual mixing.

3660S99	Mixing Tips, each
3660S99	Mixing Tips, 6 pack
3665S99	Fang Dispenser, each















Applicators



Squeegees

Epoxy will not stick to these re-usable polyethylene squeegees. These can be cut and trimmed to make filleting tools and even notched with pinking shears for spreading epoxy glue over large areas. We offer small $(2\frac{1}{2} \times 4\frac{1}{2})$ single sided and large $(3\frac{1}{2} \times 6)$ ouble sided squeegees.

3540S99	Squeegee, Small
3541S99	Squeegee, Large

Brushes

Use brushes of good enough quality so they don't leave hairs on your surface, but are not so expensive that you can't afford to throw them away. Don't waste your time and money trying to clean brushes with pricey and hazardous solvents.

3501S99	1" Bristle Brush, each
	box of 36
3503S99 3504S99	2" Bristle Brush, each
	box of 24
	3" Bristle Brush, each
	box of 24



Foam Brushes

These brushes are too light to spread epoxy glue. They are excellent for "knocking out" the bubbles in rolled epoxy coatings, and great for "tipping in" when painting or varnishing.

0515000	2" Foam Brush, each
3212288	box of 24
0510000	3" Foam Brush, each
3210299	box of 12



Acid Brushes

6" long 3/8" wide stiff brush of black horsehair clamped in a galvanized handle. Use to get epoxy into hard to reach holes, nooks and crannies.

3510S99	6 pack
	box of 144



Foam Roller Covers

These yellow foam rollers are the primary tool for coating and fiberglassing wood, along with rolling epoxy barrier coats on fiberglass boats. They apply about a 3 mil coating of epoxy without runs or sags. Available in 7" widths, cut them in half for use on the 3" wide frame.

3525S99	7", 2 pack, each
	7", 1 dozen covers
	7", 10 dozen covers



Roller Frames & Roller Tray

The roller tray is a durable black flexible plastic. After remaining epoxy has cured, flex the tray and the hardened epoxy will pop off the surface for many more uses.

3530S99	3" Frame, each
3532S99	7" Frame, each
3535S99	Roller Tray, plastic, each

Nylon/Polyester Brushes

We recommend these high quality brushes for the application of our SilverTip Yacht Primer and WR-LPU Topcoats.

3520S99	Nylon/Polyester Brushes 2", each
3521S99	Nylon/Polyester Brushes 3", each

Non-Skid Powder

White gritty polycarbonate. Sprinkle onto wet WR-LPU to produce a non-skid surface. One quart will cover about 200 square feet.

3210S16 Non-Skid Powder 1 Qt. Tub

Safety Supplies

The primary hazard when working with epoxy is possible skin sensitization resulting from prolonged and repeated direct skin contact. Work clean and keep epoxies off your skin. Never use a solvent to clean your skin. This dries out the natural protective oils in your skin, then thins out the epoxy and drives it in further. We highly recommend using disposable vinyl gloves.

Gloves

Disposable corn starch dusted vinyl gloves

3400S99 Box of 50 pairs (100 gloves)

Dust Mask

Simple, double strap dust masks that are used when sanding wood, fiberglass, or cured epoxy. NOTE: These masks will not protect you from solvent vapors or other gaseous substances from the atmosphere.

3420S99	Dust Mask, Pack of 2
	Dust Mask, Box of 20

Protective Skin Cream

SBS 46 protective skin cream is resistant to oils and organics, but can be removed by water. Do not use under gloves.

3405S99 Protective Skin Cream, 5oz. tube

Medicated Skin Cream

SBS 40 medicated skin cream will help replace the oils in your skin.

3410S99 Medicated Skin Cream, 5oz. tube

Waterless Hand Soap

SBS 30 Waterless hand soap is used to remove epoxy that you get on your skin. This hand soap will emulsify the resin and hardener so that it may be rinsed off with water.

3415599	Waterless Hand Soap 1 lb tub
00000	Traterioco Fiana ocup, Fior tao

Tyvek Suits

These are tough full body suits with hoods and elastic wrist and ankle cuffs that professional painters use. We only stock the larger size because most people prefer them with a loose fit.

3430S99 Tyvek Suit, XXL, each















FILLERS and PASTE PIGMENTS

NOTE: If you want to avoid using fillers we recommend that you try our SilverTip Marine Epoxy Series. Each of these products has been specifically formulated and is packaged with all additives including the correct fillers for each marine epoxy application.

Mix epoxy resin and hardener together at the correct ratio before the addition of fillers. The following fillers work well with System Three General Purpose Epoxy. Be sure to read The Epoxy Book for a complete discussion and guidelines on using fillers and additives.

Silica Thickener

This material is also referred to as colloidal or fumed silica, and is an excellent thixotropic agent which is used to control the viscosity of mixed epoxy systems. Silica can be used alone for a very smooth, non-sagging, high strength mixture or combined with fillers or fibers to make them non-sagging. A 5-quart quantity of Silica Thickener when combined with 1 gallon of mixed epoxy/hardener, will produce about 1.75 gallons of a nonsagging firm paste.

Alternatively use SilverTip GelMagic for ease-of-use.

3105S16	Silica Thickener, 1 Qt.
3105S47	Silica Thickener, 5 Qt.

Glass Microspheres

These bulking agents are hollow, clear microscopic spheres that make a lowcost, low density filler. Added to epoxy resin and hardener mix, they make a good, heat-resistant, light-weight fairing compound with good compressive strength. Mixture can be blended with a small amount of Silica Thickener to prevent sagging. Not recommended for gluing.

Alternatively use SilverTip QuikFair for ease-of-use.

3145S16	Glass Microspheres, 1 Qt.
3145S47	Glass Microspheres, 5 Qt.

Color Paste Pigments

Clear epoxy adhesives and coatings can be colored easily. We offer concentrated paste pigments which are dispersed in epoxy resins. Generally only a small amout of paste pigment well be required to achieve desired color result. In small amounts the paste pigments will not detract from any of the properties of the un-pigmented epoxy.

Add the paste pigment to the epoxy resin (Part A), then measure that mixture in the proper ratio (1:1 or 2:1) with the hardener (Part B).



3200A04	White Paste Pigment, 2 oz.
3200A06	White Paste Pigment, 4 oz.
3200A16	White Paste Pigment, 32 oz.
3201A04	Black Paste Pigment, 2 oz.
3201A06	Black Paste Pigment, 4 oz.
3201A16	Black Paste Pigment, 32 oz.
3202A04	Brown Paste Pigment, 2oz.
3202A06	Brown Paste Pigment, 4oz.
3203A04	Blue Paste Pigment, 2 oz.
3203A06	Blue Paste Pigment, 4 oz.
3204A04	Yellow Paste Pigment, 2 oz.
3204A06	Yellow Paste Pigment, 4 oz.
3205A04	Green Paste Pigment, 2 oz.
3205A06	Green Paste Pigment, 4oz.
3206A04	Red Paste Pigment, 2 oz.
3206A06	Red Paste Pigment, 4oz.

Wood Flour

Wood Flour, a fine sawdust that has been filtered so that there are no lumps, is excellent for creating wood glue and structural fillers and fillets. It is a fibrous filler that is also thixotropic. To make a smoother fillet, some users add a small amount of Silica Thickener.

Alternatively use SilverTip EZ-Fillet for ease-of-use.

3	3110S16	Wood Flour, 1 Qt.
3	3110S47	Wood Flour, 5 Qt.

Milled Glass

A finely ground fiberglass that can be incorporated into structural filleting putties to improve tensile strength. The addition of Silica Thickener will prevent sagging or draining.

Alternatively use SilverTip PowerFil for ease-of-use.

3135S16	Milled Glass, 1 Qt.
3135S47	Milled Glass, 5 Qt.

Reinforcing Fiberglass Fabrics

System Three Resins offers a large selection of woven and non-woven fabrics for general and special use. Most wooden boats require some woven cloth and perhaps tape. Wooden boats which use molded chine construction greatly benefit from the use of biaxial tape. Composite-cored boatbuilders use non-woven biaxial, triaxial, or unidirectional cloth for their hulls.

Woven Fiberglass Cloth and Tape

This cloth is the standard "E" glass volan-finished boat cloth from the very best weavers. A variety of widths and weights are available. Tapes and cloths have a selvedged edge so the edges don't get stringy or fray. Cloth rolls have a nominal length of 125 yards, but may vary. Tape rolls are 50 yards in length.

Glass cloth, cut lengths

2200000	4 oz., 50", cut per yard		
3300299	4 oz., 50", per yard, full roll (125 yd)		
2201000	6 oz., 38", cut per yard		
3301299	6 oz., 38", per yard, full roll (125 yd)		
2200000	6 oz., 50", cut per yard		
3302599	6 oz., 50", per yard, full roll (125 yd)		
2202000	6 oz., 60", cut per yard		
3303299	6 oz., 60", per yard, full roll (125 yd)		
2204000	10 oz., 50", cut per yard		
3304399	10 oz., 50", per yard, full roll (125 yd)		

Glass tape, cut lengths

2210500	9 oz., 2", cut per yard		
2210299	9 oz., 2", per yard, 50 yrd. roll		
2211000	9 oz., 3", cut per yard		
3311299	9 oz., 3", per yard, 50 yrd. roll		
2210500	9 oz., 4", cut per yard		
3312599	9 oz., 4", per yard, 50 yrd. roll		
2212000	9 oz., 6", cut per yard		
3313288	9 oz., 6", per yard' 50 yrd. roll		

Non-Woven Biaxial Tape

This is a heavy-duty, double-bias fiberglass tape. Two opposing layers of fibers run through this cloth "on the bias" or at 45 degrees to the run of the roll. The very best for molded chine construction. The 24-ounce is 17 ounces of biaxial cloth backed up with 7 ounces of epoxy-compatible mat. The mat keeps the edges of the tape from getting "stringy" and unruly. The 12 ounce tape or "bias" tape has no mat backing and is un-selvedged.

Non-woven Cut Lengths Biaxial Tape

0005000	12 oz., 6", no mat, cut per yard
3320599	12 oz., 6", no mat, per roll (150 yd)
2200500	24 oz., 4", w/ mat, cut per yard
3320599	24 oz., 4", w/ mat, per roll (75 yd)
0001000	24 oz., 5", w/ mat, cut per yard
3321599	24 oz., 5", w/ mat, per roll (75 yd)
2200500	24 oz., 8", w/ mat, cut per yard
3322599	24 oz., 8", w/ mat, per roll (75 yd)
2222500	24 oz., 10", w/ mat, cut per yard
3323399	24 oz., 10", w/ mat, per roll (75 yd)

Non-Woven Biaxial Cloth

Fibers in the biaxial cloth run the same as the fibers in the tape described above. There is no mat backing on the cloth.

2205500	12 oz., 50", double bias, no mat, cut per yard		
3303299	12 oz., 50", double bias, no mat, full roll (150 yd), per yard		



APPENDIX A

Estimate How Much to Use on Your Project

The following will serve as a guide for estimating the amount of product you'll need. The key to any estimate is a reasonably accurate idea of the surface area involved. The numbers given are in square feet of coverage per gallon of mixed resin and hardener except as noted. Divide by 40 to convert figures to square meters per liter.

COATING AND LAMINATING RESINS

Includes SilverTip, System Three General Purpose, Clear Coat, SB-112 & Cold Cure.

COATING WOOD	FIRST COAT	SUBSEQUENT COATS			
Softwood Plywood/Veneer	250	400			
Hardwood Plywood/Veneer	325	400			
Vertical Surface-maximum non-sag	500	500			
FIBERGLASSING					
(Sealer, wet-out & fill coats)					
4 ounce cloth	150	300			
6 ounce cloth	130	250			
10 ounce cloth	100	170			
Biaxial Tape	32	40			

GEL MAGIC ADHESIVE

The numbers given are in gallons of mixed product per 100 square feet of glue surface area. Both surfaces wet out with Gel-Magic. High pressure includes vacuum bagging while low pressure includes stapled veneer, loose joints, etc. One mil equals .001 inch or about 1/4 millimeter.

GLUE LINES	THICKNESS	CONSISTENCY	SOFTWOOD	HARDWOOD
High Pressure	8 mil	Thixotropic Fluid	0.85	0.73
Low Pressure	20 mil	Soft Paste	1.32	1.20

VOLUME OF FILLETS (approximate rule of thumb):

The amount of filleting compound in gallons per lineal foot of fillet for any practical fillet is equal to about $0.0111r^2$, where r is the fillet radius in inches.

VOLUME OF FAIRINGS (approximate rule of thumb):

As a general rule, the amount of fairing compound in gallons per square foot of fairing surface area is equal to 0.623t, where t is the fairing thickness in inches.

Fairing Putty Surface t Boat Hull



Filleting Material

APPENDIX B

Product End Use Chart

END USE CHART	LAMINATING, COATING & FIBERGLASSING	ADHESION & BONDING	FILLETING	FAIRING	CONSISTENCY	COLOR
SilverTip Laminating Resin	~ ~ ~	~	~	~	POURABLE	COLORLES
SilverTip GelMagic	NR	~ ~ ~	NR	NR	GEL	TAN
SilverTip QuikFair	NR	NR	~ ~	~ ~ ~	PUTTY	TAN
SilverTip EZ-Fillet	NR	~	~ ~ ~	~ ~	THICK LIQUID	BROWN
SilverTip MetlWeld	NR	~ ~ ~ ~	NR	NR	THICK LIQUID	GRAY
General Purpose Resin	~ ~ ~	~	~	~	POURABLE	COLORLES
Clear Coat	~ ~ ~	NR	~	NR	POURABLE	COLORLES
MirrorCoat	~ ~ ~	~	v v	~ ~	POURABLE	COLORLES
Quick Cure	NR	~ ~ ~ ~	v v	~ ~	THICK LIQUID	AMBER
T-88	NR	~ ~ ~	v v	~ ~	THICK LIQUID	AMBER
RotFix	~ ~ ~	~	~	~	POURABLE	AMBER
SculpWood	NR	NR	~ ~ ~	~ ~ ~ ~	PUTTY	BROWN

Paint & Varnish Application

SilverTip Yacht Primer: 200 - 250 ft²/Gallon WR-LPU Urethane Topcoat: 350 - 400 ft²/Gallon Spar Urethane Varnish: 300 - 350 ft²/Gallon

FILM THICKNESS:

The following yields are our recommended based on the coverage rates above:

PRODUCT	WET FILM THICKNESS	DRY FILM THICKNESS
Yacht Primer	6 - 8 mils	3 - 4 mils*
WR-LPU Topcoat	6 - 7 mils	2½ - 3 mils
Spar Urethane Varnish	6 - 10 mils	3 - 5 mils**

*Before sanding.

**When applied over Clear Coat as a sealer.

SILVERTIP YACHT PRIMER

THINNING: Thin with a 50/50 mixture of alcohol and water. **CLEAN UP:** Clean brushes and equipment with soap and water.

WR-LPU TOP COAT

THINNING: Thin with clean water.

CLEAN UP: Clean brushes and equipment with soap and water.

SPAR URETHANE VARNISH

THINNING: On bare wood thin first coat 1:1 with mineral spirits. None required on subsequent coats or over sanded epoxy resin. CLEAN UP: Clean brushes and equipment with mineral spirits. Refer to products data sheets or the "Paint Application Guide". Up-to-date versions are available at www.systemthree.com.

LEGEND:

✓ ✓ = Excellent
✓ = Good
✓ = Fair
NR = Not Recommended

APPENDIX C

FAQ's - Frequently Asked Questions

Problem: The System Three Resin Part A has turned hazy

and has white material in the bottom of the jug. Cause and solution: The epoxy is crystallizing due to storage at temperatures 50°F and below. Immersing the closed container in hot tap water and heating to 120°F or above will bring the resin back to a clear state.

Problem: The product isn't curing.

Cause and solution: Resin and hardener were mixed at the wrong ratio. Resin was mixed with resin or hardener with hardener. Remove the uncured material thoroughly by scraping and solvent washing. Mix at proper ratio and reapply.

My resin is taking too long to cure. How can I speed it up?

Cause and solution: The only way to speed the cure of our resin products, once they've been applied, is to heat the room or the area that your project is in. Every 18°F increase in temperature cuts the time it takes for the resin to cure in half.

Problem: The product keeps going off in the pot.

Cause and solution: The batch is too big or left too long in the pot. The hardener is too fast for the conditions. Use a smaller batch and get it out of the pot sooner. Change to a slower hardener. Pour out mixed resin into a flat pan (like a paint tray).

Problem: The product is still gummy.

Cause and solution: The ratio was wrong. It was inadequately mixed. Not enough time has elapsed at the curing temperature. Make sure that the gumminess is not just the amine blush. Wait and see if the cure proceeds. Apply some heat if possible. If it is still gummy then remove the uncured material thoroughly by scraping and solvent washing. Mix at proper ratio and reapply.

Problem: The epoxy is hard but it clogs the sandpaper.

Cause and solution: Remove the amine blush. Wait a few more hours for further curing. Use a coarser grit paper or use wet/dry paper with water.

Question: Can I color System Three epoxies?

Yes. The preferred method is with System Three paste pigments. If you can't find them at your dealer, or can't wait to order them from the factory, you can use up to 2% by weight of universal paint colorants from the paint or hardware store.

Problem: The top surface of the epoxy coating turned white.

Cause and solution: It got wet from dew or rain before it cured. Apply heat and the whiteness will probably disappear. If not, remove by sanding.

Problem: The glue joints came apart.

Cause and solution: Too much clamping pressure was used. No filler was used in the epoxy. The joints were stressed before sufficient curing. Use less pressure. Use some filler. Leave the part clamped longer especially if it will be under stress when removed.

Problem: The fiberglass cloth didn't go clear.

Cause and solution: The type of cloth is wrong. Buy the cloth from us or use an epoxy compatible cloth with a looser weave. Air may have been dispersed into the epoxy by excessive squeegeeing. Frothy squeegeed epoxy may have been used to wet out areas.

Problem: The paint/varnish won't dry.

Cause and solution: The wrong type of paint is being used. Read the section on painting in The Epoxy Book to understand and correct the problem.

Question: Can I add more hardener to accelerate the cure time?

No. The ratios are set so that all the chemicals will react and cure. More hardener or resin will result in uncured resin.

Question: How do I clean up epoxy?

Cured epoxy must be removed by heat softening, paint stripper or sanding. Uncured epoxy can be removed with lacquer thinner, alcohol, or white vinegar.

Question: Will System Three epoxies damage polystyrene or urethane foam?

No. Our coating and laminating resins are designed to go directly over solvent-sensitive substrates without any fear of softening or "melting" them.

Which epoxy for my canoe?

This is the common question asked by bright finish strip plank builders. The answer is that either SilverTip Epoxy or Clear Coat Epoxy will do a fine job. Clear Coat Epoxy is thinner and will wet fiberglass faster than SilverTip Epoxy. On the other hand, it will take more coats to fill the weave. Both SilverTip Epoxy and Clear Coat Epoxy are free of amine blush. Some builders use Clear Coat epoxy for fiberglass application and SilverTip Epoxy for filling the weave.

NOTE: For more information, detailed procedures and answers to your questions, read the System Three Epoxy Book, which can be found online at **systemthree.com**. Contact System Three and we can mail one straight to you.

NOTES

NOTES



Dudley Dix, acclaimed designer of Paper Jet, featured in the Sept./Oct. 2008 issue of Wooden Boat Magazine built his prototype using the SilverTip Marine Products from System Three. Paper Jet is all about fast and fun. When using SilverTip Products, building her can be almost as fast and fun as sailing her.

SilverTip Marine Products are a group of application specific formulations including a non-blushing laminating resin, self-thickening structural epoxy adhesive, ready to use filleting/fairing putties and a water-based epoxy primer. Each product is individually engineered from the ground up to save you time (fast) and be easy to use (fun) without sacrificing performance. Why not give SilverTip Products a try, and enjoy your boat even more?



Helping you put it all together SilverTip Epoxy • QuikFair • GelMagic • EZ-Fillet • MetlWeld • Yacht Primer Get your Free Epoxy Book today, call: 800-333-5514 or visit us at: www.systemthree.com

Helping You Put it all Together ... or Back Together

You have to admit, standing on the bow, scanning the horizon is a lot more enjoyable when your boat is actually in the water. Whether you are building a new classic or restoring an old one the SilverTip Series from System Three will get you on the water faster.

The SilverTip Series features: laminating epoxy for lightning fast wet-out of fiberglass cloth with no amine blush; non-sagging, high performance adhesives that are easy to measure and mix and require no additional modification with powders or fillers; and fairing putties and paste that are ready to use, spread like butter and sand with ease after a 3-4 hour cure.

Get your boat in the water and start enjoying it sooner with The SilverTip Series from System Three.



w w w.systemthree.com SilverTip Epoxy | QuikFair | GelMagic | EZ-Fillet | MetIWeld Follow us on Facebook.

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