



STAR Distributing LLC Product Offerings 2010

Wood & Concrete Restoration Refinishing Products

Clear Penetrating Epoxy Sealer™ (CPES)™
Marine Finishes
Paint Strippers
Epoxy Glues & Paint
Concrete Coatings
AirHead™ Dry Toilet

Star Distributing LLC has been offering Clear Penetrating Epoxy Sealer, (CPES), for years to treat wood rot and perform wood rot repair. Now MultiWoodPrime™ is available for treating new lumber to prevent wood rot and to make paint stick.

The Smith & Co. epoxy glue products are terrific, easy to use, as they remain tough and flexible with their ability to act just like wood.

Concrete restoration is a reality by using Clear Penetrating Epoxy Sealer to recombine crumbling concrete and mortar, One Component Concrete Sealer for dirty and oily concrete, and Damp Concrete Primer makes paint stick to concrete.

Other businesses just sell paint. We sell products to make paint stick to whatever surfaces they are applied to.

The best and most expensive paint is no good if it doesn't stay on.

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Smith and Company Epoxy Products Pricing

Clear Penetrating Epoxy Sealer™ (CPES) & MultiWoodPrime™



A water thin epoxy used for wood restoration and to glue paint to wood. CPES has a tough flexible resin system in a solvent blend that dissolves the sap, oil, and moisture found in wood. The resin system is derived from natural wood resin and develops a chemical adhesive bond to the wood fibers themselves. The Cold Weather Formula features the *Dual Synergistic Catalyst*™, which allows full and predictable cure down to 28° F, slightly below freezing.

**2 Pint Kit \$36.00 2 Quart Kit \$55.00 2 Gallon Kit \$176.00
4 Gallon Kit Case \$310.00 10 Gallon Kit \$675.00**



Fill-it™: Pre-thickened, high strength, non-sagging, flexible, and easily sanded epoxy filler. It consists of an epoxy resin and a curing agent derived from natural wood resin and so is very compatible with wood. Contains the *Dual Synergistic Catalyst*.

12 Ounce Kit \$24.00 2 Pint Kit \$54.00 1 Gallon Kit \$175.00



Oak & Teak Epoxy Glue™: Made for gluing oily and acidic wood. Will work on all types of wood, hard and soft. Featuring 60-90 min. pot life, and an overnight cure at room temp.

Tropical Hardwood Epoxy™: Thick high-strength epoxy adhesive. Designed to withstand high vibration and impact. After cure it is completely waterproof and flexible.

All Wood Glue™: Features the *Dual Synergistic Catalyst*. All Wood Glue is based on the same properties but cures faster and at lower temperatures than the Tropical Hardwood Epoxy.

Layup & Laminating Epoxy™: For fiberglass layup and soft wood laminating. No blush formula eliminates sanding between laminations. Advanced wetting agents saturate glass quickly and cures flexible and strong. Contains the *Dual Synergistic Catalyst*. Not for hardwoods.

**12 Ounce Kit \$24.00 2 Pint Kit \$52.00
2 Quart Kit \$95.00 2 Gallon Kit \$275.00
10 Gallon Kit \$957.00**



Epoxy Clean Up Solvent™: Cleans up and thins any uncured epoxy products. Unlike Acetone, this thinner does not weaken the epoxy bond by attacking the chemical reaction.

1 Quart \$15.00 1 Gallon \$38.00

All products listed above are available in case lot quantities. CPES and MultiWoodPrime are both available in 10 and 100 Gallon Kits. Call us for case lot pricing.

Why does MultiWoodPrime™ and CPES™ work?

Weather is brutal to wood and paint. Many historic homes and boats have sound wood but will not hold paint. Over the years bacteria and fungus has made the surface of the wood spongy. Paint particles are not small enough to get through to sound wood. Soon after painting, the bacterium has eaten enough of the wood to render it unable to hold paint. The paint peels off the wood. If left in the weather long enough water will transport the bacteria deep into the wood and create dry rot. End grain is nothing more than a sponge to hold the moisture and accelerate dry rot.

This never-ending cycle is why MultiWoodPrime and CPES (Clear Penetrating Epoxy Sealer) were invented. Unlike an adhesive epoxy, CPES is water thin epoxy, which soaks far into damaged wood. The solvent base is the transport mechanism to deliver the epoxy resin into the open spaces within the wood. The same solvents also evaporate excess moisture from within the wood. All of the wood fibers and mold spores are then left encapsulated with the remaining epoxy. It glues the remaining fibers back together, and restores useful strength back into the wood, without changing the natural flexibility of the wood. New wood will be protected against rot getting started. Cold weather formula will cure below freezing for cold weather use.

Unlike rock-hard epoxy products CPES does not put a rock in the wood. Imagine a bundle of straws with one end dipped in paint and removed. Like the cell walls of the wood, the straws are coated but air will still flow through their centers. CPES is derived from natural wood resins and so develops a chemical adhesive bond to the wood fibers themselves. Other types of products do not work since they fail to expand and contract with the wood like CPES does. They cannot penetrate into the wood fibers (like CPES does), the bacterium takes over, freeze thaw loosens the bond and in a short time any repair fails. If the wood is not stabilized any patch or glue is bound to fail over time.

Wood is the primary material CPES is designed for. Plywood will not check when painted. Exposed end grain will not rot. Painting over uncured CPES will molecularly glue the paint, primer or varnish to the wood. Natural weathered wood appearance can be maintained after treatment by wiping the surface with a rag carrying clean up solvent. Any other materials that absorb water will benefit from CPES too. Old crumbly mortar can be consolidated; porous tile can be sealed without sheen, and CPES will prevent freeze-thaw damage to concrete.

MultiWoodPrime is being used worldwide in many different climates. From the cold of Finland to the steamy tropics of the South Pacific, customers are protecting and restoring homes, decks, boats, and much more using CPES.

Bristol Finish™

Bristol Finish Traditional Amber; Appearance, performance and ease of use are the most important considerations for marine wood coatings, and Bristol Finish is clearly the best choice. This tough acrylic urethane is the most beautiful, durable and most cost effective exterior wood coating that is available today.

Unlike many low-maintenance coatings, there's no muddy appearance to live with. Bristol Finish is available in **Traditional Amber** to match the beautiful look and transparency of traditional marine spar varnish. Available as a high gloss or (with additive) satin finish. The beauty and detail of the wood grain is not hidden by heavy pigment.

Bristol Finish is a catalyzed acrylic urethane system, and each coat can be applied from 1 to 24 hours apart, without sanding between coats. Molecular cross-linking insures a perfect bond between coats.



Gallon Kit



Quart Kit

Quart Kit - Retail price \$59.95
Gallon Kit - Retail price \$179.95

Bristol Finish Traditional Amber Individual Items

Base Resin, 32 oz.	Price \$41.95
Base Resin, 128 oz.	Price \$130.95
Catalyst, 4 oz.	Price \$15.95
Catalyst, 16 oz.	Price \$41.95
Satin Additive, 8 oz.	Price \$12.95

Accelerator additive is available to speed up curing in cold weather.

This will be added to resin free of charge upon request.



Bristol Finish Classic Clear Water Based Urethane

Classic Clear Water Based Urethane is a ready to use, self activating urethane finish that delivers the durability of two part solvent-based products, with no mixing or measuring required. The excellent performance and ease of use make Classic Clear Water Based Urethane perfect for every type of interior wood surface.

Classic Clear Water Based Urethane comes in High Gloss and Soft Satin finishes. Each version produces a long lasting, crystal clear finish.

Extreme Durability

Classic Clear Water Based Urethane has greater than 200 times the abrasion resistance of other one part coatings, and provides outstanding slip resistance, making it perfect for high wear surfaces like floors. It is not affected by common cleaning chemicals.

Simple, Fast Application

Classic Clear Water Based Urethane can be applied as quickly as one hour between coats. True urethane technology provides perfect adhesion between each coat, with no sanding required. You can easily complete a 2 or 3 coat applications in less than an afternoon!

Environmentally Responsible

Classic Clear Water Based Urethane has virtually no odor, and it is safe to use in confined interior spaces. And all that is needed for cleanup is warm soapy water.

Classic Clear Water Based Urethane
Interior High Gloss and Satin
Quart - \$24.95
Gallon - \$79.84

Back To Nature Paint Stripper



Safe & Easy Paint Stripper

Back To Nature is a premier manufacturer of unique, safer, marine paint and varnish removers. They are designed to remove the most difficult, marine coatings below and above the waterline. All of our marine strippers are environmentally safe and contain no methylene chloride or other harsh solvents. They are biodegradable, non-flammable, virtually odorless, and are easily cleaned up with water. All Back To Nature Marine Paint removers are safe for fiberglass and gel-coat. Cost effective since only one coat is needed to lift all layers in one pass.



Ready-Strip® Marine changes color to signal removal time and is specifically designed to remove up to **5** thick layers of marine anti-fouling, top-side and other paints and varnishes in one application. It is applied as a blue and turns light blue when the paint is ready to be removed. As a paste it clings easily to vertical surfaces. It can be brushed, rolled or sprayed. It requires no neutralization (neutral pH).

1 Quart \$16.82

1 Gallon \$50.57

5 Gallon Pails \$247.50



Aqua-Strip™ is a technically advanced, safer marine stripper designed to remove **10+** thick layers of marine anti-fouling, top-side and other paints and varnishes in one application. **Aqua-Strip™** is odor-free and can be easily cleaned up with water. As a paste it clings easily to vertical surfaces. For application, it can be brushed, rolled or sprayed. It requires no neutralization (neutral pH).

1 Quart \$19.00

1 Gallon \$61.82

5 Gallon Pails \$303.75



Ultra-Strip™, the ultimate safe marine coatings remover is designed to remove multiple layers of marine anti-fouling, top-side and other paints and varnishes in one application. Where speed is critical, a lighter coat of **Ultra-Strip™** will remove 1 layer in as little as 15 minutes and 2 to 4 layers in under 4 hours. For tougher jobs or coatings, a heavier application will remove the paint in one application.

1 Gallon \$79.82

5 Gallon Pails \$393.75

Adhesive Tape



Blue Painters Tape 3M2090

This tape removes cleanly without adhesive transfer or surface damage for up to 14 days, even in direct sunlight. It is a medium adhesion tape

that is ideal for painted walls and trim, woodwork, glass and metal.

Sizes: 3/4" X 60 Yards	\$ 5.31
1" X 60 Yards	\$ 7.06
1-1/2" X 60 Yards	\$10.85



Solvent Resistant Tape 3M2040

Provides excellent adhesion to most surfaces and provides high holding power. Works well with most solvent-based and lacquer coatings. Ideal for use in cool temperatures. Reduces tearing with the strong tape backing. Conforms

well to most surfaces, which produces an excellent paint line. **DO NOT USE:** On easily damaged surfaces, such as: wall paper, wallboard, ceiling tile, uncured coatings or other delicate surfaces. Not for extended outdoor use.

Sizes: 3/4" X 60 Yards	\$ 4.93
1" X 60 Yards	\$ 6.56
1-1/2" X 60 Yards	\$ 9.84



Fine Line Tape 3M2128

Polypropylene film with special processed backing that allows taping over freshly painted acrylic lacquer or enamel surfaces sooner and with less chance of imprint damage. Provides finest color separation line possible in multi-

color striping jobs.

Sizes: 1/8" X 60 Yards	\$18.56
1/2" X 60 Yards	\$11.92
3/4" X 60 Yards	\$15.89
1" X 60 Yards	\$17.71

Additional masks, brushes, coveralls, gloves, abrasives, and more is available on our web site.

Caulks and Adhesives



Sitka 291LOT

Nearly as strong as Sikaflex®-291 and slightly more flexible, Sikaflex®-291 LOT features a slower skin time to allow for longer working time. Perfect for general sealing all around the vessel, hull seams, thru hulls and bedding deck hardware and rub rails. Tack free time 3 - 5 hours. Working temp 41 to 114 degrees F. Available Colors: White, Mahogany, and Black. 10oz Cartridge
Price: \$ 20.64



3M 4200

Bonds and seals fiberglass, gelcoat and wood. Ideal for rub-rails, stern-joints, deck and through-hull fittings, and access plates. Medium strength allows for disassembly. 10 oz Cartridge
Available Colors: White and Black
Price: \$20.99



3M 5200

The seal is extremely strong, retains its strength above or below the water line. Stays flexible too - allows for structural movement. Has excellent resistance to weathering and salt water. Available Colors: White, Tan, Mahogany, and Black. 10oz Cartridge
Price: \$ 19.18

More products are available online.

Masks – Respirators



Mask 3M8200

Economical dust mask. Patented filter media with advanced electro statically charged microfibers help make breathing easier and cooler for enhanced user comfort. Lightweight construction enhances worker comfort.

Box of 30 \$23.82



Respirator 3M 6000

Half Face respirator is lightweight.

Use cartridge 3M6001

Organic vapor not Included.

Sizes: Medium and Large

Price: \$17.62



Respirator 3M 6291

Half face respirator with two organic vapor cartridges.

One per pack.

Price: \$17.62



Respirator 3M 6800

Full Face respirator is lightweight

Use cartridge 3M6001 Organic vapor (not Included).

Sizes: Medium and Large

Price: \$183.44



Respirator Cartridge 3M6001

Replacement organic vapor cartridge.

For use with paint mists and solvents.

Two per pack.

Price: \$13.55

High Build Epoxy Paint / Primer

MOISTURE – DIFFUSION BARRIER COAT

SEMI – GLOSS

- Reduces water absorption in wood and fiberglass hulls
- Exceptional protection for aluminum, steel, and other metals.
- High film build for maximum protection with fewer coats.
- Chemical and water-resistant.
- Can be used on flooring and concrete surfaces.

General Description:

Known as 150 series Mare Island Formula, this paint was developed for the U.S. Navy. High Build Epoxy Paint is a heavy-duty two-part epoxy coating. When fully cured this paint is resistant to many industrial chemical fumes, water, and high humidity environments. Durability is high in exterior applications. Over coating is necessary when exposed to sunlight. FDA approved for commercial kitchen floors. Protects concrete floors in caustic environments like carwashes.

Application Instructions:

Premix each component (preferably with a power mixer) to a uniform consistency. Lumps are not acceptable. Mix equal parts by volume of Part A and Part B. Cover and allow to stand 15 minutes. Mix again; thin if necessary for application, and filter before use. Apply by brush, spray or roller. Thin 5 to 10% with Smith & Co. Epoxy Clean Up Solvent. Minimum number of coats is 2. Dry film thickness per coat is 4.3 Mil when applied in one or more coats at a net total usage of 144 sf/gal. Do not apply below 50° F or over 90° F.

Physical Data:

Working time (pot life)	2 Hours @ 68° F/20°C
Hard Dry (recoat)	6 Hours @ 68° F/20°C
Full Chemical Cure	48 Hours @ 68° F/20°C

Cure times decrease by 50% for every 18° F/10° C temperature rise. When painting over fully cured paint, sand using 80-grit sandpaper.

V.O.C.	315 g/l
Flash Point	99° F
Solids (theoretical) By Weight	73 ± 2%
By Volume	60 ± 2%

Colors Available: Semi Gloss; Black, White, Light Grey, or Red

2 Quart Kit \$53.00

2 Gallon Kit \$184.00

Case Lot pricing is available.

Can't find what you need, call and ask.



AirHead Dry Toilet™

Benefits of the AirHead Dry Toilet

- **No Odor Design!** Active venting ports all gasses outside.
- **No water is needed!** No need for plumbing.
- **Can Not Clog!** Design simplicity makes this virtually fool proof.
- **Meets all "No Discharge" regulations!** U.S Coast Guard Approved type MSD III marine head.
- **Saves Space!** No need for separate holding tank.
- **Common Uses!** Marine, RV, Campgrounds, Cabins, Yurts...

This unit is designed for a full season of weekend use by two people. Capacity is based on an average of 80 uses. Much like a household toilet the Air Head Dry Toilet has a bowl and an actuator which provides a "flush". The main difference due to the toilet's waterless operation is the use of a paper bowl liner which acts as a carrier for the solid matter on its way to the solid tank.

Airhead Dry Toilet, complete unit: Toilet: bowl, solid tank with agitator, liquid tank, (color: sand), crank handle, Composite wood seat, (white), Anodized aluminum bowl ring, Hold down brackets, Mounting hardware, Hose, 5' length, Hose connectors, Fan/bulkhead shroud, Paper bowl liners, (50), Organic desiccant starter bag, Instructions, Philosophy, A few bad jokes.



Complete unit \$969.00



DAMP CONCRETE PRIMER

*A waterborne, zero-V.O.C. concentrate.
Glues any topcoat to wet or dry concrete*

This product is an adhesion-promoting primer for a wide variety of adhesives, sealants and coatings on damp concrete. Old, dirty or oil-contaminated concrete should be treated first with Smith's One-Component Concrete Sealer. It will then chemically bond with that concrete. Made by Smith & Co. creators of Clear Penetrating Epoxy Sealer™ (CPES™).

Damp Concrete Primer (DCP) self-emulsifies by mixing with water. This makes it *more economical than two-component epoxy primers* for applying any maintenance or protective coating to concrete. *Since it contains no solvents, it is legal to apply anywhere on any structure.* You save money as well as gaining better coating reliability. *Being a concentrate, your shipping costs are less.*

The adhesion-promoting film is effective in a thickness of only a few thousandths of an inch (a hundred microns or less). This film is distributed over a surface by brush, spray or roller application of the emulsion onto the cement surface. Natural evaporation of the water will leave a thin film of the DCP resin itself directly wetting the cement surface. One quart of concentrate is adequate for 400 square feet of concrete.

In order to use Damp Concrete Primer, add two parts by volume tap water to one part by volume of DCP. Mix well, and observe that the mixture becomes an opaque tan liquid. The mixture may be applied by the same kind of rollers or brushes as are used for latex paints. A quart of DCP mixed with two quarts of water is to be applied over four hundred square feet. Use what you mix within an hour. Once applied to a concrete surface, allow drying until the appearance changes from a tan liquid to a clear, dark amber oily film. Further drying until the film is slightly sticky is ideal. This typically takes four hours. Then apply any topcoat according to the manufacturer's instructions.

Besides forming chemical bonds with properly prepared concrete, the Damp Concrete Primer will form chemical bonds with freshly applied isocyanate-cured polyurethane paints or polyurethane elastomeric coatings or amine-cured epoxy paints or epoxy coatings. *It chemically bonds to any topcoat we know of,* creating the strongest, most water-resistant chemical bond possible. Therefore, it is an effective adhesion-promoting primer for such materials.

Quart cans for \$48.00
12 Quart case for \$385.00
Average cost per square foot is \$0.12



Permanent Concrete Sealer

An odor-free, water - based, non - toxic, non - acid concrete cleaner and sealer which may be applied to new or old concrete. Its powerful detergent combination flushes out oil and dirt from concrete, for a clean look and good adhesion of anything else. It contains no solvents whatsoever. Its V.O.C. [Volatile Organic Content] is zero. This is due to our 100% Acrylic-free formulation, based instead on the mineral chemistry of concrete itself.

Old Concrete Applications

Old concrete is chemically stable and its porosity fully developed. The typical age two years in the latitude of San Diego, CA, or Miami, FL, or five years at the latitude of the San Francisco Bay in CA or the Chesapeake Bay in Virginia. In colder climates such as Seattle, WA or Maine this may take fifteen to twenty years. Such concrete does not develop further porosity with age, and is chemically stable. One series of treatments can completely seal the concrete, and the seal is permanent. *Dusting and efflorescence of old concrete surfaces can be stopped entirely.* However, old or extremely porous concrete may take more than two or three applications until no further penetration is observed. Extremely porous, crumbly concrete should have an epoxy sealer treatment instead. Most coatings can be made to stick to concrete, with proper surface preparation. Then, they stay stuck.

This seal is based on a mineral kind of chemistry similar to the concrete itself. Acrylic-emulsion-type sealers and organic saline sealers biodegrade and weather away, and need to be repeated. This treatment is sufficient to seal concrete against efflorescence. The cause of efflorescence, the white stains commonly appearing on concrete, is dissolved minerals left behind when ground water evaporates from a brick or concrete surface. When the concrete surface is treated in this manner, liquid water cannot reach the surface. This sealer passes water vapor only, thus the evaporation of the water takes place below the surface. The dissolved minerals [usually calcium carbonate, limestone] are deposited within the concrete, *below* the surface where they cannot be seen and actually contribute to further sealing and densification of the bulk porosity of the concrete.

Smith's Permanent Concrete Sealer is completely safe when used as directed. It leaves no toxic residue whatever. Each gallon covers about 200-400 square feet, depending on concrete porosity.

1 gallon bottle \$35.00.

Four one-gallon bottle case \$110.00.

Four cases or more: \$85.00 per case (minimum order).

Weekend Brightwork Kit

**One Weekend = Years of Care Free Beauty
This Kit Contains:**

- 1 – Quart of Back to Nature Aqua Strip
- 1 – 2 Pint kit, Clear Penetrating Epoxy Sealer™
- 1 – Quart kit of Bristol Finish™
- 1 – Detailed instructions for Application.

Step One: Remove Finish Using Stripper and Scraper.

Step Two: Sand until smooth, treat with CPES.

Step Three: Apply four quick no sand coats.

**All you need for great, long lasting repairs!
Based on our popular article:**

**“Brightwork
Give one Weekend, get years of beauty”**

This kit saves you **10%** under the combined cost of individually purchased items.

No extra cost for **cold** or **warm** CPES.

\$109.67 ea.

Wood Restoration Kit

Great for Windowsills and Doorframes

This Kit Contains:

- 1 – Quart of Back to Nature Aqua Strip
- 1 – 2 Pint kit, Clear Penetrating Epoxy Sealer™
- 1 – Fill-It™, 12 ounce kit of pre-thickened epoxy
- 1 – Set of instructions for Wood Restoration

- Step One: Remove Paint Using Stripper and Scraper.
Step Two: Remove loose decay, treat with CPES.
Step Three: Fill voids flush with Fill-It. Allow to cure.
Step Four: Sandpaper repair until smooth, Apply CPES to all surfaces to be painted.
Step Five: Paint as usual.

All you need for great, long lasting repairs!
Based on our popular web article

“Wood Restoration Made Easy”

This kit saves you **10%** under the combined cost of individually purchased items.
No extra cost for **cold** or **warm** CPES

\$75.37 ea.

WARNING

Improper use of solvent based products, and epoxy products can be dangerous to your health.

Read and understand instructions before use.

Use rubber gloves, organic respirators and eye protection. Severe allergic sensitivity can result from contact with skin.

**Warning! Flammable Skin and eye irritant
Harmful if swallowed**

Keep out of reach of children.

All prices are F.O.B. Noank, Connecticut 06340

Payment and terms: Payment can be made by: online order, cash in person, check in advance, MasterCard, Visa, Discover, American Express and PayPal. Questions and telephone orders are gladly accepted.

Standard shipping is UPS ground. Expedited shipping is available subject to HAZMAT regulations and additional documentation fees. Delivery may be possible if within service area. Call for details.

Ten and 100 gallon CPES shipments require HAZMAT shipping and additional charges. Dealer pricing is available for retail establishments. Wholesale pricing is available for orders over \$1800.00. Returns are accepted within 30 days on unopened containers only; customer is responsible for all shipping charges. Credit will be given upon receipt and inspection of product. Restocking charges of 15% will be applied to all returns.

Within an area that regulates architectural coatings CPES and MultiWoodPrime may not be used in containers greater than one quart. Some areas allow one quart or less, others do not. Find and obey local air quality regulations in your area. State laws supercede Federal laws.

Prices are subject to change without notice.

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