



Simply better.

UNEPOXY ANTIFOULING

TECHNICAL BULLETIN 135 7/07

- RELIABLE, AFFORDABLE PROTECTION FOR ALL TYPES OF VESSELS
- EFFECTIVE IN BOTH FRESH AND SALT WATER
- SUITABLE FOR TRAILERED BOATS

GENERAL DESCRIPTION

Unepoxy is a hard protective antifouling paint for use on boat bottoms. It can be applied over most aged hard antifouling coatings. Old soft antifouling paints should be removed for best adhesion. It may be applied on fiberglass boats with outboards or outdrives with no danger of electrolysis, provided the drive units are not coated themselves. Unepoxy is also suitable for all non-aluminum trailered boats that are used for durations of up to two weeks in salt or fresh water before retrailering.

Unepoxy Standard has excellent adhesion to fiberglass, wood and steel hulls and is perfect for both power and sail boats. Its compatibility with all properly prepared hard bottom paints permits safe overcoating without fear of lifting.

APPLICATION INFORMATION

Unepoxy contains cuprous oxide. As a result of this there is a tendency for settling to occur, especially if the paint has been on the shelf for several months. It is necessary to thoroughly mix the paint before using. If possible shake the can of paint on a mechanical paint shaker. Before using check the sides and bottom of the can to make sure all the pigment has been mixed in. If mixing is going to be done with a wooden paddle or an electric drill mixer, pour off half of the liquid from the top of the can into another can and then properly mix in any settled pigment; then remix the two parts together thoroughly.

Adhere to all application instructions, precautions, conditions and limitations to obtain optimum performance. Refer to individual labels and tech sheets for detailed instructions when using associated products, etc. Do not thin Unepoxy more than 10% (12 ounces per gallon) or inadequate paint film thickness will occur and premature erosion of the finish will be likely.

SURFACE PREPARATION

Coating performance, in general, is proportional to the degree of surface preparation. Follow recommendations carefully, avoiding shortcuts. Inadequate preparation of surfaces will virtually assure inadequate coating performance.

MAINTENANCE

No antifouling paint can be effective under all conditions of exposure. Man made pollution and natural occurrences can adversely affect antifouling paint performance. Extreme hot and cold water temperatures, silt, dirt, oil, brackish water and even electrolysis can ruin an antifouling paint. Therefore, we strongly suggest that the bottom of the boat be checked regularly to make sure it is clean and that no growth is occurring. Lightly scrub the bottom with a soft brush to remove anything from the antifouling paint surface. Scrubbing is particularly important with boats that are idle for extended periods of time. The coating is most effective when the boat is used periodically.

PHYSICAL DATA

VEHICLE TYPE.....Modified Epoxy/Rosin
FINISH.....Flat
COLORS.....1228 Blue, 1328 Green,
1628 Red, 1810 Black
COMPONENTS....One
CURING MECHANISM....Solvent Release
SOLIDS (theoretical)
By weight.....72 ± 5%
By volume....46 ± 5%
COVERAGE.....425 sq. ft/gal.
VOC....400 g/l max.
ACTIVE INGREDIENT....Cuprous Oxide
40.5%
FLASH POINT....80°F (SETA)

APPLICATION DATA

METHOD....Brush, Roller, Airless or
Conventional Spray
NUMBER OF COATS....Two
DRY FILM THICKNESS PER COAT.....2 mils
WET FILM THICKNESS PER COAT...4.3 mils
APPLICATION TEMP.....40°F. Min. / 90°F. Max.
DRY TIME (Hours)
To Recoat To Launch
90°F 3 3
70°F 6 6
40°F 12 12

The above dry times are minimums. Unepoxy Antifouling may be recoated after the minimum time shown and launched up to 60 days after painting.

THINNERS.....120 Brushing Thinner
121 Spraying Thinner

ASSOCIATED PRODUCTS

95 Fiberglass Dewaxer
120 Brushing Thinner
121 Spraying Thinner
4700/4701 High Build Epoxy Primer
6999 Sandless Primer

Mix paint thoroughly to insure toxicants are evenly dispersed throughout the can. All surfaces must be clean, dry and properly prepared prior to painting. **Do not apply Unepoxy on aluminum.**

Previously Painted Surfaces: If the previous coating is in good condition, thoroughly sand with 80 grit paper then solvent clean with 120 Brushing Thinner to remove residue. Apply two finish coats of Unepoxy. If the previous coating is soft or in poor condition, remove to the bare surface by sanding or using Pettit 9051 Bio Blast Paint Remover. Proceed with appropriate bare system as described below. Old tin copolymers should be removed or sealed with Pettit 6627 Tie Coat Primer before applying Unepoxy Antifouling.

Bare Fiberglass: All bare fiberglass, regardless of age, should be thoroughly cleaned several times with Pettit 95 Fiberglass Dewaxer. Sand thoroughly with 80 grit sandpaper to a dull, frosty finish and rewash the sanded surface with 95 Fiberglass Dewaxer to remove sanding residue. Then apply two coats of Unepoxy Standard, following application instructions. Careful observation of the above instructions will help ensure long term adhesion of this and subsequent years' antifouling paint.

To eliminate the sanding operation, wash the fiberglass three times using Pettit 95 Dewaxer only. Then apply one coat of Pettit 6999 Sandless Primer. Consult the Sandless Primer label for complete application and antifouling topcoating instructions.

Bare Wood: Sand entire surface with 80 grit paper; wash clean with 120 Brushing Thinner. Apply a coat of Unepoxy thinned 25% with 120 Brushing Thinner, allow an overnight dry, lightly sand and wipe clean. Apply two finish coats of Unepoxy.

Bare Steel: Sandblast to SSPC-SP 6 'Commercial' blast, blow off residue with clean, compressed air, and immediately apply two coats 4700/4701 following application and recoat instructions.

Alternatively, hand sand with 80 grit sandpaper or power hand tool clean, then remove residue with clean compressed air or clean, solvent dampened rags. Immediately apply one coat of Pettit 6980 Rustlok Steel Primer and let dry to a tack free state (usually 30 minutes to 2 hours, dependent on temperature). Then apply two coats of Pettit Protect 4700/4701 High Build Epoxy Primer following application and recoat instructions. Apply two coats of Unepoxy.

Keels - Lead: Abrade surface to bright metal; wipe clean using Pettit 120 Brushing Thinner. Apply one thin coat of 6455/044 Metal Primer; allow to dry two hours. Apply one coat of Pettit 6627 Tie Coat Primer then, if fairing is required, apply Epoxy Fairing Compound. Follow with an additional coat of 6627 Tie Coat Primer per label directions. Apply two finish coats of Unepoxy.

Keels - Steel or Cast Iron: Abrade surface to bright metal; wipe clean using Pettit 120 Brushing Thinner. Apply one coat of 6980 Rustlok Steel Primer, allowing to dry only 1 - 2 hours prior to overcoating. Then, if fairing is required, apply Epoxy Fairing Compound followed by one coat of Pettit 6627 Tie Coat Primer. Apply two finish coats of Unepoxy.