



Simply better.

1933 COPPER BRONZE ANTIFOULING

TECHNICAL BULLETIN 127 - 5/06

- CUPROUS OXIDE FOR AGGRESSIVE ANTIFOULING PROTECTION
- HARD, MODIFIED EPOXY FINISH WITHSTANDS SEASON-LONG USE AND ABUSE
- COMPATIBLE WITH MOST PREVIOUSLY APPLIED ANTIFOULINGS
- SUITABLE FOR USE ON FIBERGLASS, WOOD AND STEEL HULLS
- EXCELLENT PROTECTION FOR TRAILERED BOATS

GENERAL DESCRIPTION

Copper Bronze is an excellent, general purpose antifouling for boaters desiring aggressive bottom protection in an easy to apply, cosmetically attractive finish. Copper Bronze antifouling is resistant to algae, barnacles, grass, zebra mussels, etc. Copper Bronze antifouling is equally effective in both fresh and saltwater and is also ideal for trailered boats.

APPLICATION INFORMATION

Copper Bronze is loaded with 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 Copper Bronze 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 several times a month 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.....Bronze
COMPONENTS.....One
CURING MECHANISM.....Solvent Release
SOLIDS (theoretical)
By weight.....74 ± 2%
By volume.....49 ± 2%
COVERAGE.....400 sq. ft/gal.
VOC....440 g/l max.
FLASH POINT....100°F

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...4.1 mils
APPLICATION TEMP.....40° F. Min. / 90°F. Max.
DRY TIME* (Hours)

	To Recoat	To Launch
90°F	2	8
70°F	4	16
40°F	6	24

*The above dry times are minimums. Copper Bronze 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
6999 Sandless Primer
120 Brushing Thinner
121 Spraying Thinner
6627 Tie Coat Primer
6980 Rustlock Steel Primer

SYSTEMS

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 Copper Bronze 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 Copper Bronze. 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 Copper Bronze.

Bare Fiberglass: All bare fiberglass, regardless of age, should be thoroughly cleaned several times with Pettit 95 Fiberglass Dewaxer or 120 Brushing Thinner. Sand thoroughly with 80 grit sandpaper to a dull, frosty finish and rewash the sanded surface with 95 Fiberglass Dewaxer or 120 Brushing Thinner to remove sanding residue. Then apply two coats of Copper Bronze, 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 Copper Bronze thinned 25% with 120 Brushing Thinner, allow an overnight dry, lightly sand and wipe clean. Apply two finish coats of Copper Bronze.

Bare Steel*: Sandblast or disc sand to a clean, bright finish and remove residue. Then either immediately apply two coats of 6980 Rustlok Steel Primer, allowing each to dry only 1-2 hours prior to overcoating - OR - immediately apply one thin coat of 6455 Metal Primer and allow to dry two hours; follow with two coats of 6627 Tie Coat Primer, allowing each to dry two hours minimum. Apply two finish coats of Copper Bronze.

Keels - Lead: Abrade surface to bright metal; clean off residue. 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 Copper Bronze.

Keels - Steel or Cast Iron: Abrade surface to bright metal; clean off residue. 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 two coats of Pettit 6627 Tie Coat Primer, finish with two finish coats of Copper Bronze.

*This is a simplified system for smaller areas designed for good performance and easy application by the boatyard professional or do-it-yourselfer. For larger vessels or for application where a high performance, professional system is desired, please consult your local Pettit representative or the Pettit Technical Department.