



Sea Mate

Ablative Antifouling Paint

TECHNICAL BULLETIN 141 11/11

- Advanced Tri-Polymer Technology
- No sanding or paint build up
- Easy application and surface cleaning
- Apply over any bottom paint
- Solid seasonal antifouling protection
- 25% copper load compares to Bottomkote Pro and Bottomkote NT



Sea Mate Antifouling Bottom Paint utilizes advanced tri-polymer ablative technology to provide dependable antifouling protection at a very economical price. Newly reformulated, Sea Mate now contains Clean Core Technology to offer better protection than ever while significantly reducing the heavy metal content. Sea Mate's ablative surface wears away with use, eliminating build up of the paint film or the need for sanding between coats. Its innovative quick drying formula provides for same-day launching. Sea Mate is easily applied, and can be used over almost any bottom paint in good condition. Its

25% copper load compares to products like Fiberglass Bottomkote NT.



1225 Blue



1625 Red



1825 Black

Note: Color differences may occur between actual and color chips shown

PHYSICAL DATA	APPLICATION DATA	ASSOCIATED PRODUCTS
FINISH: Eggshell COLORS: 1225 Blue 1625 Red 1825 black COMPONENTS....One CURING MECHANISM....Solvent Release SOLIDS (theoretical): By weight....75 ± 2% By volume....52 ± 2% COVERAGE: 450 sq. ft/gal. VOC: 394 g/l (as supplied) ACTIVE INGREDIENTS: Cuprous Oxide...25.0% FLASH POINT: 103°F (SETA)	METHOD: Brush, Roller, Airless or Conventional Spray. NUMBER OF COATS: 2 or 3 DRY FILM THICKNESS PER COAT: 1.5 mils (2.9 wet mils) APPLICATION TEMP: 40° F. Min. / 90°F. Max. DRY TIME* (HOURS): To Recoat To Launch 90°F 1 2 70°F 3 4 50°F 4 8 *The above dry times are minimums. Maximum dry time before launch is 7 days @ 70°F. If the boat is hauled during the season, Seamate will loose its effectiveness if left out of water longer than five days. THINNER: 120 Brushing Thinner - 121 Spraying Thinner	120 Brushing Thinner 121 Spraying Thinner 92 Bio-Blue Hull Surface Prep 95 Fiberglass Dewaxer 6998 Skip-Sand Primer 4700/4701 High Build Epoxy Primer 6455/044 Metal Primer 6627 Tie-Coat Primer 6980 Rustlok Steel Primer



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APPLICATION INFORMATION

Sea Mate 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 settle 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 Sea Mate 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 self-cleaning nature of the coating is most effective when the boat is used periodically.

SYSTEMS

Mix paint thoroughly to ensure toxicants are evenly dispersed throughout the can. All surfaces must be clean, dry and properly prepared prior to painting. Do not apply Sea Mate on aluminum hulls or outdrives.

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 Sea Mate. If the previous coating is soft or in poor condition, remove to the bare surface by sanding or using a paint & varnish remover. Proceed with appropriate bare system as described below. Old tin copolymers must be removed or sealed with 6627 Tie-Coat Primer before applying Sea Mate. When sanding old bottom paint, always wet sand and take precautions against getting the material in your eyes, nostrils, open cuts, etc.

Bare Fiberglass: All bare fiberglass, regardless of age, should be thoroughly cleaned with 92 Bio-Blue Hull Surface Prep or de-waxed several times with Pettit D-95 Dewaxer. Sand thoroughly with 80 grit sandpaper to a dull, frosty finish and rewash the sanded surface with 120 Brushing Thinner to remove sanding residue. Then apply two or three thin coats of this product, following application instructions. Careful observation of application instructions will help ensure long term adhesion of this and subsequent years' antifouling paint.

To eliminate the sanding operation, two methods are available:

1. Prep the surface with 92 Bio-Blue Hull Surface Prep or wash the fiberglass three times using Pettit D95 Dewaxer. Then apply one thin coat of Pettit 6998 Skip-Sand Primer. Use a 3/16" or less nap when applying by roller. Consult the primer label for complete application and antifouling top coating instructions. Apply two or three thin coats of this product.
2. Thoroughly clean, de-wax and etch the surface with 92 Bio-Blue Hull Surface Prep using a course Scotch-Brite pad in a swirling motion. Thoroughly rinse all residue from surface and let dry. Then apply one coat of Pettit 4700/4701 High Build Epoxy Primer. Consult the primer label for complete application and antifouling top coating instructions. Apply two or three thin coats of this product.

Barrier Coat: Fiberglass bottoms potentially can form osmotic blisters within the gelcoat and into the laminate. To render the bottom as water impermeable as possible, prepare the fiberglass surface as mentioned above (sanding method) then apply three coats of Pettit Protect 4700/4701 Gray High Build Epoxy Primer or three coats of Pettit Protect 4100/4101 White High Build Epoxy Primer per label directions. Apply two or three thin finish coats of this product.

Blistered Fiberglass: See Pettit Technical Bulletin TB-1000 Gelcoat Blister Repair and Prevention Specification for detailed instructions.

Bare Wood: Sand entire surface with 80 grit paper; wash clean with 120 Brushing Thinner. Apply a coat of Sea Mate thinned 25% with 120 Brushing Thinner, allow an overnight dry, lightly sand and wipe clean. Apply two finish coats of Sea Mate. Any metal parts must be primed before applying the bottom paint.

Bare Steel*: Sandblast to SSPC-SP 6 'Commercial' blast, blow off residue with clean, compressed air, and immediately apply three coats Pettit Protect 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 4700/4701 High build Epoxy Primer following application and recoat instructions. Apply two coats of Sea Mate.

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. Follow with an additional coat of 6627 Tie Coat Primer per label directions. Apply two finish coats of Sea Mate.

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 over coating. Then, if fairing is required, apply Epoxy Fairing Compound followed by one coat of Pettit 6627 Tie Coat Primer. Apply two finish coats of Sea Mate.