



Ultima[®] Eco

Copper-Free, Multi-Season Ablative

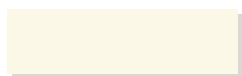
TECHNICAL BULLETIN 1808 1/11

- The world's first copper-free antifouling paint to offer true multi-season performance
- Contains organic Ecomea biocide along with a powerful slime fighting agent
- Self-polishing ablatives technology eliminates the need for sanding and paint build up
- Use on all substrates including aluminum
- Can be used on almost any previously painted surfaces



Ultima Eco combines the breakthrough, metal-free Ecomea[™] biocide with a powerful slime fighting agent for dual-biocide, multi-season protection. This copper-free formula can be safely used on all substrates, including aluminum. It provides excellent antifouling protection, with an ablatives surface that makes it the perfect choice for both power and sailboats. Ultima Eco's surface wears away over time, eliminating paint film build up and the need for sanding. It can be used on almost all previously painted surfaces in good condition. Ultima Eco contains 50% more Ecomea biocide than the competition, providing true multi-season performance. One or two coats per

season are recommended for optimal performance.



1108 Ivory



1208 Blue



1608 Red



1808 Black

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

PHYSICAL DATA

FINISH: Eggshell

COLORS:

1108 Ivory 1208 Blue 1608 Red 1808 Black

COMPONENTS: 1

CURING MECHANISM: Solvent release

SOLIDS (theoretical):

By weight - 80 +/- 3%

By volume - 59 +/- 3%

COVERAGE: 500 sq. ft./gal.

(includes 20% loss factor)

VOC: 320 g/l (as supplied)

ACTIVE INGREDIENTS:

Tralopyril...6.0%

Zinc Pyrithione...4.80%

APPLICATION DATA

METHOD: Brush, Roller, Airless or Conventional Spray.

NUMBER OF COATS: 2 or 3

DRY FILM THICKNESS PER COAT:

1.5 mils (2.6 wet mils)

APPLICATION TEMP: 40° F. Min. / 90° F. Max.

DRY TIME* (HOURS): To Recoat To Launch

90°F 2 2

70°F 3 4

50°F 6 8

*The above dry times are minimums. Ultima Eco may be recoated after the minimum time shown.

There is no maximum dry time before launching.

THINNER:

120 Brushing Thinner

121 Spraying Thinner

ASSOCIATED PRODUCTS

120 Brushing Thinner

121 Spraying Thinner

92 Bio-Blue Hull Surface Prep

95 Fiberglass Dewaxer

6998 Skip-Sand Primer

4100/4101 Pettit-Protect White High-Build Epoxy Primer

4700/4701 Pettit-Protect Gray High-Build Epoxy Primer

6455/044 Metal Primer

6627 Tie-Coat Primer

6980 Rustlok Steel Primer

7050 EZ Fair Epoxy Fairing Compound



APPLICATION INFORMATION

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 Ultima Eco 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.

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 thin finish coats of Ultima Eco. If the previous coating is soft or in poor condition, remove to the bare surface by sanding or using a compatible paint remover. Proceed with appropriate bare system as described below. Old tin copolymers must be removed or sealed with 6627 Tie-Coat Primer before applying Ultima Eco. 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 Aluminum: Basic Method - If the surface to be painted is smooth aluminum, apply one thin coat of 6455/044 Metal Primer and allow to dry for two hours, then apply two finish coats of Ultima Eco. Read and follow carefully the instructions for application and top-coating on the 6455/044 primer label. For added corrosion resistance, apply one or two coats of Pettit 6627 Tie Coat Primer per label directions prior to applying the two finish coats of Ultima Eco. For maximum corrosion resistance, sandblast to clean, bright metal and remove blasting residue with clean, dry compressed air or a clean brush. Immediately apply two coats of Pettit 4400/4401 Alumina Protect Epoxy Primer followed by two coats of Pettit Protect 4100/4101 White or 4700/4701 Gray High Build Epoxy Primer carefully following all application and recoat instructions. Apply two coats of Ultima Eco.

Bare Wood: Sand entire surface with 80 grit paper; wash clean with 120 Brushing Thinner. Apply a coat of Ultima Eco thinned 25% with 120 Brushing Thinner, allow an overnight dry, lightly sand and wipe clean. Apply two finish coats of Ultima Eco. 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 4100/4101 White or 4700/4701 Gray High Build Epoxy Primer following application and recoat instructions. Alternatively, thoroughly sand with 80 grit sandpaper, clean and remove residue using clean compressed air or 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 4100/4101 White or 4700/4701 Gray High Build Epoxy Primer following application and recoat instructions. Apply two coats of Ultima Eco.

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 Ultima Eco.

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 Splash Zone 7050 EZ-Fair Fairing Compound followed by one coat of Pettit 6627 Tie Coat Primer. Apply two finish coats of Ultima Eco.