



Ultima[®] SR-60

Dual-Biocide High-Copper Ablative

TECHNICAL BULLETIN 924 9/08

- The highest copper load in ablative paints (60%)
- Ablative finish reduces build-up and eliminates the need for sanding
- Dual biocides provide exceptional multi-season performance
- Contains 55.4% more copper than Micron[®] Extra at a lower cost
- Same formula as Ultima[®] Pro from our Pro Coatings line
- Due to extremely high copper load, some variations in color and finish may occur



Ultima[®] SR 60 delivers exceptional, multi-season, dual-biocide performance by combining the highest ablative copper load (60%) available in ablative paints with slime resistant Irgarol. Ultima[®] SR 60 contains 55.4% more copper than Micron[®] Extra, to provide stronger protection in even the toughest conditions. It employs a unique controlled erosion technology to minimize coating build-up and keep underwater surfaces smooth. Its ablative surface wears away with use providing a continuous supply of fresh biocides while eliminating the need for sanding. Can be hauled and re-launched without repainting. Ultima[®] SR 60 utilizes the same proven formula as

Ultima[®] Pro from our Professional Coatings line. Please Note: Due to extremely high copper load, some variations in color and finish may occur.



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

PHYSICAL DATA	APPLICATION DATA	ASSOCIATED PRODUCTS												
<p>VEHICLE TYPE: Synthetic Polymer/Rosin</p> <p>FINISH: Flat</p> <p>COLORS:</p> <p>1032 Blue 1033 Green</p> <p>1036 Red 1038 Black</p> <p>COMPONENTS: 1</p> <p>CURING MECHANISM: Solvent Release</p> <p>SOLIDS (theoretical):</p> <p>By weight...84 +/- 2%</p> <p>By volume...54 +/- 2%</p> <p>COVERAGE: 400 sq. ft/gal.</p> <p>VOC: 399 g/l max. (as supplied)</p> <p>ACTIVE INGREDIENTS:</p> <p>Cuprous Oxide...60%</p> <p>N-Cyclopropyl-N1(1,1-dimethylethyl)-6-(methylthio)1,3,5-Triazine-2,4-Diamine...2%</p> <p>FLASH POINT...98°F (SETA)</p>	<p>METHOD: Brush, Roller, Airless or Conventional Spray. When applying by roller use a short nap (3/16 inch maximum) roller cover.</p> <p>NUMBER OF COATS: 2 or 3</p> <p>DRY FILM THICKNESS PER COAT: 2 mils (3.6 wet mils)</p> <p>APPLICATION TEMP: 50° F. Min. / 90°F. Max.</p> <p>DRY TIME* (HOURS):</p> <table border="1"> <thead> <tr> <th></th> <th>To Recoat</th> <th>To Launch</th> </tr> </thead> <tbody> <tr> <td>90°F</td> <td>3</td> <td>8</td> </tr> <tr> <td>70°F</td> <td>6</td> <td>16</td> </tr> <tr> <td>50°F</td> <td>12</td> <td>48</td> </tr> </tbody> </table> <p>*The above dry times are minimums. Ultima SR-60 may be recoated after the minimum time shown. There is no maximum dry time before launching.</p> <p>THINNER:</p> <p>185 Ablative Thinner</p>		To Recoat	To Launch	90°F	3	8	70°F	6	16	50°F	12	48	<p>185 Ablative Thinner</p> <p>120 Brushing Thinner</p> <p>92 Bio-Blue Hull Surface Prep</p> <p>95 Fiberglass Dewaxer</p> <p>6998 Skip-Sand Primer</p> <p>6999 Sandless Primer</p> <p>4700/4701 High Build Epoxy Primer</p> <p>6455/044 Metal Primer</p> <p>6627 Tie-Coat Primer</p> <p>6980 Rustlok Steel Primer</p>
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APPLICATION INFORMATION

Ultima SR-60 is heavily loaded with cuprous oxide. As a result of this loading 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 Ultima SR-60 more than 10% (12 ounces per gallon) or inadequate paint film thickness will occur and premature erosion of the finish will be likely. Do not apply Ultima SR-60 in thick films or in more than four coats as poor adhesion may result. When applying by roller use a short nap (3/16 inch maximum) roller cover.

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 Ultima SR-60 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 Ultima SR-60. 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 Ultima SR-60.

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 or 120 Brushing Thinner. Sand thoroughly with 80 grit sandpaper to a dull, frosty finish and rewash the sanded surface with 185 Ablative Thinner or 120 Brushing Thinner to remove sanding residue. Then apply two coats of Ultima SR-60, 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, prep the surface with 92 Bio-Blue Hull Surface Prep or wash the fiberglass three times using Pettit 95 Dewaxer only. Then apply one thin coat of Pettit 6998 Skip-Sand Primer or 6999 Sandless 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 coats of Ultima SR-60.

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 High Build Epoxy Primer per label directions. Apply two or three finish coats of Ultima SR-60.

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 sandpaper; wash clean with 185 Ablative Thinner. Apply a coat of Ultima SR-60 thinned 25% with 185 Ablative Thinner, allow an overnight dry, lightly sand and wipe clean. Apply two or three finish coats of Ultima SR-60 unthinned.

Bare Steel*: Sandblast or disc sand to a clean, bright finish and remove residue with clean, dry compressed air or a clean brush. Immediately apply two coats of Pettit 4700/4701 High Build Epoxy Primer. Read and follow carefully the instructions on the 4700/4701 Epoxy Primer label. If the surface to be painted will be prepared using hand tools such as wire wheels or sanders, clean-off residue and immediately apply one coat of Pettit 6980 Rustlok Steel Primer. Let dry 1-2 hours and follow with two coats of 4700/4701 High Build Epoxy Primer. Read and follow carefully the instructions for application and top coating on both primer labels. Apply two or three finish coats of Ultima SR-60.

Keels - Lead: Abrade surface to bright metal; clean off residue. Apply one thin coat of 6455/044 Metal Primer; allow to dry six hours. Apply one coat of 4700/4701 High Build Epoxy Primer then, if fairing is required, apply Epoxy Fairing Compound. Follow with an additional coat of 4700/4701 High Build Epoxy Primer per label directions. Apply two or three finish coats of Ultima SR-60.

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 over coating with one coat of 4700/4701 High Build Epoxy Primer. Then, if fairing is required, apply Epoxy Fairing Compound followed by one additional coat of 4700/4701 High Build Epoxy Primer, finish with two or three coats of Ultima SR-60.

Underwater Gear - Stainless Steel and Bronze: Use the same system as for lead keels.

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