

- High performance antifouling with a hard, durable finish
- Extreme copper load - more than 12 lbs. per gallon
- Tropical protection at an affordable price
- Compare to Ultra-Kote, Tropikote, Superkote, or Super Premium Performance



Woolsey Defense HC is a highly effective, hard modified epoxy antifouling paint that consistently delivers dependable performance at a reasonable price. Its hard, smooth, finish is easily burnished, and will stand up to seasons of abuse. Woolsey Defense HC utilizes a high copper load (more than 12 pounds per gallon), to provide superior protection in all fouling environments. Developed around the strength of the original Woolsey Neptune formula, Woolsey Defense HC offers the same great appearance, protection, and cost savings as its predecessor. A truly cost effective way to achieve a high level of protection.



4601 Black



4602 Blue



4603 Red



4604 Green

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

PHYSICAL DATA	APPLICATION DATA	ASSOCIATED PRODUCTS												
VEHICLE TYPE: Modified Epoxy/Rosin FINISH: Flat COLORS: 4601 Black  4602 Blue  4603 Red 4604 Green COMPONENTS: 1 CURING MECHANISM: Solvent Release SOLIDS (theoretical): By weight...85 +/- 2% By volume...56 +/- 2% COVERAGE: 400 sq. ft./gal. VOC: 375 g/l max. (as supplied) ACTIVE INGREDIENTS: Cuprous Oxide...52.6% FLASH POINT: 80°F (SETA)	METHOD: Brush, Roller, Airless or Conventional Spray. NUMBER OF COATS: 2 or 3 DRY FILM THICKNESS PER COAT: 2 mils (3.6 wet mils) APPLICATION TEMP: 40°F min. / 90°F max. DRY TIME* (HOURS): <table border="1" style="margin-left: 20px;"> <thead> <tr> <th></th> <th>To Recoat</th> <th>To Launch</th> </tr> </thead> <tbody> <tr> <td>90°F</td> <td>3</td> <td>3</td> </tr> <tr> <td>70°F</td> <td>6</td> <td>6</td> </tr> <tr> <td>50°F</td> <td>12</td> <td>12</td> </tr> </tbody> </table> *The above dry times are minimums. Woolsey Defense HC may be recoated after the minimum time shown and launched up to 60 days after painting. THINNER: Pettit 120 Brushing Thinner Pettit 121 Spraying Thinner		To Recoat	To Launch	90°F	3	3	70°F	6	6	50°F	12	12	Pettit 120 Brushing Thinner Pettit 121 Spraying Thinner Pettit 92 Bio-Blue Hull Surface Prep Pettit 95 Fiberglass Dewaxer Pettit 6998 Skip-Sand Primer Pettit 4700/4701 HB Gray Epoxy Primer Pettit 4100/4101 HB White Epoxy Primer Pettit 6455/044 Metal Primer Pettit 6627 Tie-Coat Primer Pettit 6980 Rustlok Steel Primer
	To Recoat	To Launch												
90°F	3	3												
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# Woolsey Defense HC

## High-Copper Hard Antifouling

### APPLICATION INFORMATION

Woolsey Defense HC 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 Woolsey Defense HC more than 5% (6 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 directly 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 clean the bottom with a soft cloth or sponge to remove any growth or contaminants from the antifouling paint surface. Cleaning 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. Burnishing of the surface to create a slicker finish should be done with 400-600 grit wet-or-dry paper after the coating has dried for seven (7) days.

### 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 Woolsey Defense HC 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 Woolsey Defense HC. If the previous coating is soft or in poor condition, remove to the bare surface by sanding or using 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 Woolsey Defense HC Antifouling.

**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 coats of Woolsey Defense HC, 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, two methods are available:

1. Prep the surface with 92 Bio-Blue Hull Surface Prep or wash the fiberglass three times using Pettit 95 Dewaxer. 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 Woolsey Defense HC.
2. Clean, de-wax, and etch the surface by scrubbing with 92 Bio-Blue Hull Surface Prep and a course Scotch-Brite pad. 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 coats of Woolsey Defense HC.

**Barrier Coat:** Fiberglass bottoms can potentially 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 finish coats of Woolsey Defense HC.

**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 Woolsey Defense HC thinned 25% with 120 Brushing Thinner. Allow an overnight dry, then lightly sand and wipe clean. Apply two finish coats of Woolsey Defense HC.

**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 over coating - 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 Woolsey Defense HC.

**Keels - Lead:** Abrade surface to bright metal, and clean off residue. Apply one thin coat of 6455/044 Metal Primer, and allow to dry two hours. Apply one coat of Pettit 6627 Tie Coat Primer, then, if fairing is required, apply Pettit 7050 EZ-Fair Epoxy Fairing Compound. Follow with an additional coat of 6627 Tie Coat Primer per label directions. Apply two finish coats of Woolsey Defense HC.

**Keels - Steel or Cast Iron:** Abrade surface to bright metal, and clean off residue. 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 Pettit 7050 EZ-Fair Epoxy Fairing Compound, followed by one coat of Pettit 6627 Tie Coat Primer. Finish with two coats of Woolsey Defense HC.

\*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 applications where a high performance, professional system is desired, please consult your local Pettit representative or the Pettit Technical Department at (800) 221-4466.

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