



Affordable Multi-Season Ablative

- Uses high copper load and controlled biocide release for multi-season performance
- Can be hauled and re-launched without repainting
- Ablative technology reduces coating build-up and the need for sanding
- Can be painted up to 12 months before launching



1250 Blue (Gallons Only)



1350 Green (Gallons Only)



1650 Red (Gallons Only)



1850 Black (Gallons Only)

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



Horizons

Technical Bulletin 1850 - 03/17

Technical Information



Finish: Flat

Solids by Weight: 83%

Coverage: 500 ft²/gal.

VOC: 330 grams/liter (as supplied)

Biocide: Cuprous Oxide...40.5%

Flash Point: 110°F (SETA)

Application Method: Brush, roller, airless or conventional spray

Maximum Roller Thickness: 3/16"

Number of Coats: 1 minimum per season with additional coats for extended service

Wet Film Thickness: 3.2 mils

Dry Film Thickness: 2.0 mils

Application Temp: 50° F. Min. / 90°F. Max.

Thinner: 120 Brushing Thinner, 121 Spraying Thinner, or 120VOC Thinner

Dry Time*: (hours)

	To Recoat	To Launch
90°F	3	8
70°F	6	16
50°F	12	48

*The above dry times are minimums. Horizons may be recoated after the minimum time shown. Horizons should be launched within 12 months after painting.

Horizons is the tried and true ablative antifoulant that offers excellent multi-season performance at an affordable price. It performs well in all conditions, including severe fouling waters. A heavy load of copper provides dependable, multi-season performance. Horizons' ablative surface wears away with use, exposing fresh biocides while eliminating paint build up and the need for sanding. Can be hauled and re-launched without repainting making it an excellent choice for trailered boats. Horizons has long been the standard ablative antifouling for many boatyards because of its many attributes and favorable pricing.

www.pettitpaint.com - (800) 221-4466

Application Systems and Tips

Horizons is easily applied by brush, roller or spray. When rolling, use only a high-quality short nap (maximum 3/16" nap) roller cover. Apply using thin coats; over-application of this product will virtually assure inadequate coating performance. Mix paint thoroughly to ensure ingredients are evenly dispersed throughout the can. All surfaces must be clean, dry and properly prepared prior to painting. Do not apply Horizons on aluminum hulls or outdrives.

Previously Painted Surfaces:

Horizons may be applied over most aged hard and abrasive antifouling coatings. Consult the Pettit Antifouling Compatibility Chart for specific recommendations. Old tin copolymers must be removed completely or sealed with Pettit 6627 Tie-Coat Primer before applying this product. The paint systems outlined below contain references to other products; please read and understand the label and/or Technical Bulletin for these products as well, to ensure that they are used properly.

If the previous coating is in good condition, thoroughly sand with 80-grit sandpaper then solvent clean with Pettit 120 or 120VOC Thinner to remove residue. Apply two finish coats of Horizons. 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.

Bare Fiberglass:

All bare fiberglass, regardless of age, should be thoroughly cleaned with Pettit 92 Bio-Blue Hull Surface Prep or de-waxed several times with Pettit D95 Dewaxer. Proceed with either Sanding Method or one of the Non-Sanding Methods below.

Sanding Method - After the surface has been de-waxed, sand thoroughly with 80-grit production paper to a dull, frosty finish and rewash the sanded surface with Pettit 120 or 120VOC Thinner to remove sanding residue. Then apply two 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.

Non-Sanding Method - To eliminate the sanding method, two alternative methods are available:

1) Thoroughly clean, de-wax, and etch the surface with Pettit 92 Bio-Blue Hull Surface Prep using a medium Scotch-Brite® pad in a swirling motion or wash the fiberglass at least three times using Pettit D95 Dewaxer. Then apply one thin coat of 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 thin coats of Horizons.

2) Thoroughly clean, de-wax, and etch the surface with Pettit 92 Bio-Blue Hull Surface Prep using a medium Scotch-Brite® pad in a swirling motion. Thoroughly rinse all residue from the surface and let dry. Then apply one coat of Pettit 4740/4741 H2-Prime Epoxy Primer or Pettit Protect High Build Epoxy Primer (4700/4701 or 4100/4101). Consult the primer label for complete application and antifouling top-coating instructions. Apply two or three thin coats of Horizons. See Pettit Protect User Manual for complete detailed instructions.

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 two or three coats of Pettit Protect High Build Epoxy Primer (4700/4701 or 4100/4101), per label directions. Apply two or three thin coats of Horizons. See Pettit Protect User Manual for complete detailed instructions.

Blistered Fiberglass:

See Pettit Protect User Manual for complete detailed instructions.

Bare Wood:

Bare wooden hulls should be sanded thoroughly with 80-grit sandpaper and wiped clean of sanding residue using Pettit 120 or 120VOC Thinner. A coat of Pettit 6627 Tie-Coat Primer thinned 25% with Pettit 97 Epoxy Thinner should be applied directly to the bare wood. Allow to dry four hours and then apply two un-thinned coats of Horizons, per instructions.

Previously painted wood hulls should be thoroughly sanded. If priming is necessary on bare wood spots, apply a touch-up coat of Pettit 6627 Tie-Coat Primer thinned 25% with Pettit 97 Epoxy Thinner to these areas. Then apply two thin finish coats of Horizons.

Bare Steel and Cast Iron*:

Remove loose rust and scale from the metal surface by sandblasting or wire brushing. Immediately clean the surface using a vacuum or fresh air blast. Apply two coats of Pettit 6980 Rustlok Steel Primer, allowing each to dry only one to two hours prior to over coating. Follow by two coats of Pettit Protect High Build Epoxy Primer (4700/4701 or 4100/4101) per label directions. If fairing is required, apply Pettit 7050 EZ-Fair Epoxy Fairing Compound between the two coats of Pettit Protect High Build Epoxy Primer. Apply two thin finish coats of Horizons. See Pettit Protect User Manual for complete detailed instructions.

Stainless Steel, Bronze, Lead, and Non-Aluminum Alloys*:

Abrade surface to bright metal; clean off residue using Pettit 120 or 120VOC Thinner. Apply one thin coat of Pettit 6455/044 Metal Primer; allow to dry two hours. Apply two coats of Pettit 6627 Tie-Coat Primer, per label directions. Let the second coat of Pettit 6627 Tie-Coat Primer dry at least four hours and apply two finish coats of Horizons.

DO NOT USE THIS PRODUCT ON ALUMINUM HULLS AND OUTDRIVES.

*These are simplified systems. Pettit offers Technical Bulletins containing detailed instructions for most application systems. Please consult your Pettit Representative or the Pettit Technical Department for more complex, professional systems. Always read the labels or Product Data Sheets for all products specified herein before using.

Application Information



The active ingredients in Horizons can settle over time, 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 of 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. When spraying, do not thin Horizons more than 5% (6 ounces per gallon) or inadequate paint film thickness will occur and premature erosion of the finish will be likely. Do not apply Horizons in thick films or in more than two coats, as poor adhesion may result. When applying by roller, use a short nap (3/16" maximum) roller cover.

Surface Preparation:

Coating performance, in general, is proportional to the degree of surface preparation. Follow all recommendations very carefully, avoiding any shortcuts. Inadequate preparation of surfaces will virtually assure inadequate coating performance. The surface to be painted should be dry, clean and free of any contaminants. It should be properly prepared by following the recommended systems below. When sanding old antifouling paint, always wear Personal Protective Equipment (PPE) to prevent the inhalation of sanding dust.

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. The self-cleaning nature of the coating is most effective when the boat is used periodically. Boats and vessels should not be scrubbed or cleaned for the first six months in the water, and at intervals of not less than three months thereafter.

Horizons