



Pettit Technical Bulletin

Underwater Metal Systems

Below details Pettit's systems for use on all underwater metals.

As with all paint systems, the quality of the product's adhesion depends on the surface it is applied to. Make sure all surfaces are clean and properly prepped, as per the directions on the product's label. All previous surfaces should be in good condition in order to achieve proper adhesion. Further information can be found on our Product Data Sheets.

Lead (Keels)	<ol style="list-style-type: none"> 1. Abrade to clean, bright metal by sandblasting or sanding with 60-grit sandpaper and remove residue. Ensure 3-4 mil anchor profile is achieved. 2. Apply one coat of 4700/4701 Pettit Protect High Build Epoxy Primer thinned 20%. 3. Fair with 7050 EZ-Fair if required. 4. Apply two coats of 4700/4701 Pettit Protect High Build Epoxy Primer. 5. Apply two thin finish coats of Ultima Eco, Hydrocoat Eco, ECO HRT or Vivid, allowing to dry overnight between coats. 	
Steel or Cast Iron (Keels)	<ol style="list-style-type: none"> 1. Abrade to clean, bright metal by sandblasting or sanding with 60-grit sandpaper and remove residue. Ensure 3-4 mil anchor profile is achieved. 2. Apply one coat of 6980 Rustlok Primer. Allow to dry only 1/2 - 2 hours prior to overcoating. 3. Apply one coat of 4700/4701 Pettit Protect High Build Epoxy Primer. 4. Fair with 7050 EZ-Fair if required. 5. Apply two thin finish coats of Ultima Eco, Hydrocoat Eco, ECO HRT or Vivid allowing to dry overnight between coats. 	
Outdrives (Bare Metal)	<ol style="list-style-type: none"> 1. Abrade to clean, bright metal by sandblasting or sanding with 60-grit sandpaper then solvent clean with 120 or 120VOC Brushing Thinner to remove residue. Ensure 3-4 mil anchor profile is achieved. 2. Apply two coats of 4400/4401 Aluma-Protect Aluminum Epoxy Primer. 3. Apply two coats of 4700/4701 Pettit Protect High Build Epoxy Primer. 4. Apply two thin finish coats of Ultima Eco, Hydrocoat Eco, ECO HRT or Vivid, allowing to dry overnight between coats. 	
Outdrives (Previously Painted)	<ol style="list-style-type: none"> 1. If the previous coating is in good condition, thoroughly sand with 80-grit sandpaper then solvent clean with 120 or 120VOC Brushing Thinner to remove residue. 2. Apply one coat of 6627 Tie-Coat Primer and allow to dry four hours. 3. Apply two thin finish coats of Ultima Eco, Hydrocoat Eco, ECO HRT or Vivid, allowing to dry overnight between coats. <p>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.</p>	
Stainless Steel & Bronze	Single Season Application	Multi-Season Application
	<ol style="list-style-type: none"> 1. Abrade surface with 60-80 grit sandpaper. 2. Apply 2 - 3 coats of Prop Coat Barnacle Barrier. 	<ol style="list-style-type: none"> 1. Abrade surface with 60-80 grit sandpaper. 2. Apply 2 - 3 coats of Prop Coat Barnacle Barrier. 3. Apply 2 thin coats of Pettit antifouling paint.
Aluminum Hulls	<ol style="list-style-type: none"> 1. Degrease/ Dewax aluminum hull by scrubbing with #92 Bio-Blue and Scotchbrite pads or Use D-95 Dewaxer. 2. Sandblast, or sand the surface with 60-grit sandpaper, ensure 3-4 mil anchor profile is achieved. Remove media residue 3. Apply two coats of 4400/4401 Aluma-Protect Aluminum Epoxy Primer. 4. Apply two coats of 4700/4701 Pettit Protect High Build Epoxy Primer. 5. Apply two thin coats of Hydrocoat Eco, Ultima Eco, ECO HRT, or Vivid Antifouling. 	

Detailed product information can be found at www.pettitpaint.com or by calling (800) 221-4466. If paints containing TBT were previously used, Tie-Coat primer must be applied before new antifouling paint. If metal substrate temperature is below 60 degrees Fahrenheit, allow overnight dry before proceeding to next step.

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