



# Pettit Technical Bulletin

## Underwater Metal Systems

There are several systems available for underwater metals. The chart below details Pettit's systems for use on underwater metals including aluminum outdrives, stainless steel and bronze propellers, shafts, struts, strainers, etc. and aluminum hulls, including pontoon boats. Other systems are available for underwater metals such as cast iron, steel and lead, consult our Product Data Sheets for more information. Detailed product information can be found at [www.pettitpaint.com](http://www.pettitpaint.com) or by calling (800) 221-4466.

Our better and best conventional systems utilize primers to separate the antifouling paint film from the underwater metals. Our Tie-Coat, Aluma-Protect, and Pettit-Protect High Build Epoxy primers all provide additional corrosion protection by separating the underwater metals from coming in contact with salt water.

Pettit Paints has a solution for all underwater metal running gear, including steel, stainless or galvanized steel, bronze, and aluminum.

As with all paint systems, the quality of the products 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.

	Good System	Better System	Best System
<b>Outdrives (Bare Metal)</b>	Metal Primer 6455/044* (1 coat) Vivid Free (2 coats) or Spray Alumaspray + (Apply 1 aerosol can per unit)	Metal Primer 6455/044* (1 coat) Tie-Coat Primer (1 coat) Ultima Eco, Hydrocoat Eco, or Vivid Antifouling (2 coats)	Metal Primer 6455/044* (1 coat) Tie-Coat Primer (2 coats) Ultima Eco, Hydrocoat Eco, or Vivid Antifouling (2 coats)
<b>Outdrives (Previously Painted)</b>	Scuff Surface Ultima Eco, or Vivid Free (2 coats) or Spray Alumaspray + (Apply 1 aerosol can per unit)	Scuff Surface Tie-Coat Primer (1 coat) Ultima Eco, Hydrocoat Eco, or Vivid Antifouling (2 coats)	Scuff Surface Tie-Coat Primer (2 coats) Ultima Eco, Hydrocoat Eco, or Vivid Antifouling (2 coats)
<b>Stainless Steel &amp; Bronze</b>	Sandblast or Abrade Surface Spray Prop-Coat Barnacle Barrier (2-3 Coats) (Shake can very well)	Metal Primer 6455/044* (1 coat) Tie-Coat Primer (1 or 2 coats) Hydrocoat Eco, or Vivid (2 coats) or any other hard antifouling (2 coats)	Sandblast or Abrade Surface Metal Primer 6455/044* (1 coat) 4700/4701 Pettit Protect (2 coats) Hydrocoat Eco, or Vivid (2 coats) or any other hard antifouling (2 coats)
<b>Aluminum Hulls</b>	Metal Primer 6455/044* (1 coat) Pontoon Pro, Ultima Eco, Hydrocoat Eco, or Vivid Free (2 coats) (Smooth non-abraded surfaces only)	Metal Primer 6455/044* (1 coat) Tie-Coat Primer (1 or 2 coats) Pontoon Pro, Ultima Eco, Hydrocoat Eco, or Vivid Free (2 coats)	Sandblast or Abrade Surface 4400/4401 Aluma-Protect (2 coats) 4700/4701 Pettit Protect (2 coats) Pontoon Pro, Ultima Eco, Hydrocoat Eco, or Vivid (2 coats)

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