



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 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
Outdrives (Bare Metal)	Metal Primer 6455/044* (1 coat) Spray Alumaspray + (Apply 1 aerosol can per unit)	Metal Primer 6455/044* (1 coat) Tie-Coat Primer (1 coat) Ultima Eco, Alumacoat SR or Vivid Free (2 coats)	Metal Primer 6455/044* (1 coat) Tie-Coat Primer (1 or 2 coats) Ultima Eco or Vivid Antifouling (2 coats)
Outdrives (Previously Painted)	Scuff Surface Ultima Eco or Spray Alumaspray + (Apply 1 aerosol can per unit)	Scuff Surface Tie-Coat Primer (1 coat) Ultima Eco, Alumacoat SR or Vivid Free (2 coats)	Scuff Surface Tie-Coat Primer (1 coat) Ultima Eco or Vivid Antifouling (2 coats)
Stainless Steel & Bronze	Sandblast or Abrade Surface Spray Zinc Coat Barnacle Barrier (2-3 Coats)	Metal Primer 6455/044* (1 coat) Tie-Coat Primer (1 or 2 coats) Vivid or any hard antifouling (2 coats)	Sandblast or Abrade Surface Metal Primer 6455/044* (1 coat) 4700/4701 Pettit Protect (2 coats) Vivid or any hard antifouling (2 coats)
Aluminum Hulls	Metal Primer 6455/044* (1 coat) Alumacoat SR or Vivid Free (2 coats) (Smooth non-abraded surfaces only)	Metal Primer 6455/044* (1 coat) Tie-Coat Primer (1 or 2 coats) Ultima Eco, Alumacoat SR or Vivid Free (2 coats)	(Maximum Corrosion Protection) Sandblast or Abrade Surface 4400/4401 Aluma-Protect (2 coats) 4700/4701 Pettit Protect (2 coats) Ultima Eco or Vivid Antifouling (2 coats)

If paints containing TBT were previously used, Tie-Coat primer must be applied before Alumaspray +, Alumacoat SR, or Vivid

* If metal substrate temperature is below 60 degrees Fahrenheit, allow overnight dry before proceeding to next step