

# outdrives, underwater metals & keels

Outdrives are built out of aluminium. This presents compatibility issues with cuprous-oxide containing antifoulings. Similarly, propellers are typically made with aluminium or bronze. Keels are made of iron, steel or lead, or in some cases a mixture of a lead shoe on a steel keel.

It is important to establish the construction material of the metal you are working on. In particular, the keel needs to be treated with great care when preparing to keep it durable and free from corrosion.

## THERE ARE 2 CRUCIAL ISSUES TO CONSIDER WITH ALL UNDERWATER METALS:

### 1) SUBSTRATE PREPARATION

The key to protecting your underwater metals from corrosion is correct preparation of the substrate,

and choosing the best priming solution for your project. The first step is to identify what metal your substrate is, then to look up which products are compatible with the substrate in the table below.

### 2) ANTIFOULING SOLUTIONS

The second step is to simply choose your antifouling solution. Two rules should be followed:

- **Never apply an antifouling containing cuprous oxide to aluminium**  
e.g. outdrives, hulls
- Choose a hard, durable antifouling that will stand up to the wear and tear in these difficult areas.

**REFER TO PAGE 24 TO SELECT THE BEST ANTIFOULING FOR YOUR PROJECT**

SUBSTRATE	STANDARD PROTECTION	LONG LASTING PROTECTION
ALUMINIUM	ETCH PRIMER, THEN PRIMOCON®	INTERPROTECT®
STEEL/IRON	PRIMOCON®	INTERPROTECT®
LEAD	ETCH PRIMER, THEN VC TAR2	INTERPROTECT®

For more information on how to prepare your metal substrate for a perfect result, please refer to the 'Everything Else You Need To Know' section on page 50.

## PROPELLERS, OUTDRIVES AND STERNGEAR

STAGE	PRODUCT	ALUMINIUM	BRONZE	WORK TIME*	OVERCOATING TIME**
CLEAN	Yacht Line Super Cleaner	YES	YES	20	
ABRADE		Mechanically	Mechanically	30 to 60	
SURFACE PRIMER	Etch Primer	1	Ø	5 to 15	See product label
PRIMER	Interprotect®	5	Ø	10 to 20	3
ANTIFOULING	Trilux, VC Prop-O-Drev,	2-3	2-3	10 to 20	See product label
<b>TOTAL PROJECT TIME:</b>					<b>1 WEEKEND</b>

\* Average time to apply one coat to average sized boat of 8m/25 feet.

\*\* Minimum wait time between coats or between overcoating with the next step in the system, at a temperature of 23°C. Please consult product data sheets (available from International yachtpaint.com) for overcoating times at different temperatures. Data sheets may also be viewed via our website yachtpaint.com.

KEY: No. of coats Minutes Hours Do not use for this purpose