



# Alumacoat<sup>®</sup> SR

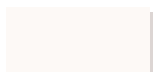
## Ablative Antifouling for Aluminum

**TECHNICAL BULLETIN 160 1/09**

- Non-corrosive antifouling for underwater metals including aluminum
- Slime resistant TBT and copper free formula is available in clean, bright colors
- Ablative technology with PTFE minimizes coating buildup and reduces friction
- Safe for all aluminum hulls, outdrives and outboard motors



Alumacoat SR provides worry-free, non-corrosive, ablative antifouling protection for underwater metals including aluminum. Slime resistant, copper-free formula wears away with use, exposing fresh biocides while eliminating paint build up and the need for sanding. Contains PTFE to reduce friction and keep underwater surfaces smooth and clean. Alumacoat SR can safely be used on all aluminum hulls, outdrives and outboard motors, and can be hauled and re-launched without recoating.



1160 White



1260 Blue



1660 Red



1860 Black

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

PHYSICAL DATA	APPLICATION DATA	ASSOCIATED PRODUCTS
VEHICLE TYPE: Synthetic Polymer/Rosin FINISH: Eggshell COLORS: 1160 White 1260 Blue 1660 Red 1860 Black COMPONENTS: 1 CURING MECHANISM: Solvent Release SOLIDS (theoretical): By weight...79 +/- 2% By volume...50 +/- 5% COVERAGE: 400 sq. ft/gal. VOC: 330 g/l max. (as supplied) ACTIVE INGREDIENTS: Zinc Pyrithione...4.95% FLASH POINT: 84°F (SETA)	METHOD: Brush or Roller. When applying by roller use a short nap (3/16 inch maximum) roller cover NUMBER OF COATS: 2 or 3 DRY FILM THICKNESS PER COAT: 2 mils (4 wet mils) APPLICATION TEMP: 40° F. Min. / 90°F. Max. DRY TIME* (HOURS): To Recoat    To Launch 90°F               3               8 70°F               6               16 50°F               12              24 *The above dry times are minimums. Alumacoat SR may be recoated after the minimum time shown. There is no maximum dry time before launching. THINNER: 120 Brushing Thinner	120 Brushing Thinner 92 Bio-Blue Hull Surface Prep 95 Fiberglass Dewaxer 6998 Skip-Sand Primer 6999 Sandless Primer 4100/4101 Vivid Epoxy Primer 4700/4701 High Build Epoxy Primer 6455/044 Metal Primer 6627 Tie-Coat Primer 6980 Rustlok Steel Primer 4400/4401 Aluma Protect Epoxy Primer



# Alumacoat® SR

## Ablative Antifouling for Aluminum

### APPLICATION INFORMATION

Alumacoat SR may exhibit settling of pigment 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 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. Alumacoat SR is a high solids product. Do not apply this paint in thick films or in more than four coats as poor adhesion may result. When applying by roller use a short nap (3/16 inch maximum) roller cover. Product can be thinned up to 10% (12 ounces per gallon) without any loss in performance. Do not thin beyond your state's compliant limit.

### Surface Preparation

Coating performance, in general, is proportional to the degree of surface preparation. Follow recommendations carefully, avoiding shortcuts. Inadequate preparation of surfaces will virtually assure inadequate coating performance.

### 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. Lightly scrub the bottom with a soft brush to remove anything from the antifouling paint surface. Scrubbing is particularly important with boats that are idle for extended periods of time. The coating is most effective when the boat is used periodically.

### SYSTEMS

Mix paint thoroughly to ensure toxicants are evenly dispersed throughout the can. All surfaces must be clean, dry and properly prepared prior to painting.

**Previously Painted Surfaces:** If the previous coating is in good condition, thoroughly sand with 80 grit paper then solvent clean with 120 Brushing Thinner to remove residue. Apply two finish coats of Alumacoat SR. 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. Old tin copolymers should be sealed with Pettit 6627 Tie-Coat Primer before applying Alumacoat SR.

**Bare Aluminum\*:** Abrade the surface to clean, bright metal by sandblasting, sanding or wire-brushing. Blow-off or vacuum off sanding residue so that surface is clean and dry, then immediately apply one thin coat of 6455/044 Metal Primer. Let dry two hours (at 70°F) and apply two coats of 6627 Tie-Coat Primer. Apply two or three finish coats of Alumacoat SR.

**Keels-Lead:** Abrade surface to bright metal; clean off residue. Apply one thin coat of 6455/044 Metal Primer; allow to dry 8 hours (at 70°F). Apply one coat of 4700/4701 High Build Epoxy Primer then follow with an additional coat of 4700/4701 High Build Epoxy Primer per label directions. Apply two or three finish coats of Alumacoat SR.

**Keels-Steel or Cast Iron:** Abrade surface to bright metal; clean off residue. Apply one coat of 6980 Rustlok Steel Primer, allowing to dry only 1-2 hours prior to over-coating with one coat of 4700/4701 High Build Epoxy Primer followed by two additional coats of 4700/4701 High Build Epoxy Primer then finish with two or three coats of Alumacoat SR.

**Underwater Gear-Stainless Steel and Bronze:** Abrade surface to bright metal. Apply one thin coat of 6455/044 Metal Primer; allow to dry 2 hours (at 70°F). Apply two coats of 6627 Tie-Coat Primer. Follow with two coats of Alumacoat SR.

**Bare Fiberglass:** All bare fiberglass, regardless of age, should be thoroughly cleaned with 92 Bio-Blue Hull Surface Prep or de-waxed several times with Pettit D-95 Dewaxer or 120 Brushing Thinner. Sand thoroughly with 80 grit sandpaper to a dull, frosty finish and rewash the sanded surface with 120 Brushing Thinner to remove sanding residue. Then apply two or three coats of Alumacoat SR, following application instructions. Careful observation of the above instructions will help ensure long term adhesion of this and subsequent years' antifouling paint.

To eliminate the sanding operation, prep the surface with 92 Bio-Blue Hull Surface Prep or wash the fiberglass three times using Pettit 95 Dewaxer only. Then apply one thin coat of Pettit 6998 Skip-Sand Primer or 6999 Sandless 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 or three coats of Alumacoat SR.

**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 three coats of Pettit Protect 4700/4701 High Build Epoxy Primer or three coats of Alumacoat SR Epoxy Primer 4100/4101 per label directions. Apply two or three finish coats of Alumacoat SR.

**Blistered Fiberglass:** See Pettit Technical Bulletin TB-1000 Gelcoat Blister Repair and Prevention Specification for detailed instructions.

**Bare Wood:** Sand entire surface with 80 grit paper; wash clean with 120 Brushing Thinner. Apply a coat of Alumacoat SR thinned 25% with 120 Brushing Thinner, allow an overnight dry, lightly sand and wipe clean. Apply two finish coats of Alumacoat SR.

**Bare Steel:** Sandblast or disc sand to a clean, bright finish and remove residue with clean, dry compressed air or a clean brush. Immediately apply three coats of Pettit Protect 4700/4701 High Build Epoxy Primer. Read and follow carefully the instructions on the 4700/4701 Epoxy Primer label. If the surface to be painted will be prepared using hand tools such as wire wheels or sanders, clean-off residue and immediately apply one coat of Pettit 6980 Rustlok Steel Primer. Let dry 1-2 hours and follow with two coats of 4700/4701 High Build Epoxy Primer. Read and follow carefully the instructions for application and top-coating on both primer labels. Apply two or three finish coats of Alumacoat SR.

**New Factory Painted Outdrives:** Sand the factory finish with 80 grit paper; wash clean with 120 Brushing Thinner. Apply two finish coats of Alumacoat SR.

**Previously Painted Outdrives:** Sand the painted surfaces thoroughly with 80 grit paper; wash clean with 120 Brushing Thinner. Apply one coat 6627 Tie-Coat Primer. Apply two finish coats of Alumacoat SR. Any bare aluminum surfaces must first be primed with 6455/044 Metal Primer.

\* This is a simplified system for small areas designed for good, performance and easy application by the boatyard professional or do-it-yourselfer. For larger vessels or for applications where a high performance, professional system is desired, please consult your local Pettit representative or the Pettit Technical Department.