

TotalBoat Aluminum Boat Barrier Coat -- Technical Data Sheet

SUPPORT PRODUCTS:

Reducer: TotalBoat Special Brushing Thinner 100

Cleanup: TotalBoat Special Brushing Thinner 100 or TotalBoat Dewaxer & Surface Prep

Aluminum Prep Wash: TotalBoat Aluminum Boat Etch Wash

COMPATIBLE SUBSTRATES:

Aluminum: Yes

Fiberglass: TotalBoat TotalProtect is the recommended barrier coat for this application.

Previously Painted Surfaces: Epoxy products only. Remove all other coatings down to bare substrate.

SURFACE PREPARATION:

Aluminum: * Thoroughly sand or blast bare aluminum to bright, shiny metal.

* Remove all sanding or blasting residue (sweep, brush, or vacuum).

STRONGLY RECOMMENDED: Apply TotalBoat Aluminum Boat Etch Wash as directed for maximum barrier coat adhesion.

* Ensure that the surface is completely dry. Apply primer within 1 hour of metal preparation.

* Apply TotalBoat Aluminum Boat Barrier Coat.

Aluminum Boat Barrier Coat * Wash with soap and water.

over Aluminum Boat Barrier Coat: * Rinse with fresh water and allow to dry.

* Sand the surface with 80-grit sandpaper.

* Wipe clean with a lint-free cheesecloth or rag dampened with TotalBoat Dewaxer & Surface Prep.

* Apply Aluminum Boat Barrier Coat.

Antifouling Over Aluminum * Use "Thumbprint" method. Touch Aluminum Boat Barrier Coat film with your thumb.

Boat Barrier Coat: * If Aluminum Boat Barrier Coat does not stick to your thumb, but you can make a thumbprint, you are within the "overcoat window." Apply antifouling paint.

* If Aluminum Boat Barrier Coat sticks to your thumb, it is too soon to apply antifouling paint.

* If you can't leave a thumbprint, you have missed the overcoat window. Sand with 80-grit sandpaper or apply another coat of Aluminum Boat Barrier Coat. Use "Thumbprint" method again.

APPLICATION:

1. Mix Aluminum Boat Barrier Coat properly in a 3:1 mix ratio by volume.

2. Induction Period: After mixing thoroughly, allow a 20-minute induction period before reduction and application.

3. Reduce with TotalBoat Special Brushing Thinner 100, as needed (10% maximum).

4. Apply only when rain, dew, and temperature conditions will not affect application or drying.

5. Apply Aluminum Boat Barrier Coat.

Overcoating with Aluminum Boat Barrier Coat: Recoat with Aluminum Boat Barrier Coat within 3-48 hours. If the 48-hour window is missed, sand with 80-grit sandpaper, and wipe the surface clean with TotalBoat Special Brushing Thinner 100. Recoat with Aluminum Boat Barrier Coat.

Overcoating with Antifouling Paint: For best adhesion, the "Thumbprint" method as mentioned above. Overcoat with antifouling paint within 5-7 hours @ 75°F. If the 7-hour window is missed, sand with 80-grit sandpaper, and wipe the surface clean with TotalBoat Special Brushing Thinner 100 or TotalBoat Dewaxer & Surface Prep. Overcoat with antifouling paint or recoat with Aluminum Boat Barrier Coat.

IMPORTANT: Application of antifouling paint over Aluminum Boat Barrier Coat is critical if it is applied below the waterline. Aluminum Boat Barrier Coat does not have any antifouling properties.

APPLICATION DATA:

Application Method: Brush, Roll, or Spray

Number of Coats: 4-5

Film Thickness (per Coat): 2 mils dry (10 mils total)

Pot Life: 5 hours

Application Temperature: 50-95°F (0-85% RH)

Recommended Finish: Ablative Antifouling Paint

Dry Time "to Touch": 2 hours @ 75°F

Dry Time "to Recoat": 3-48 hours @ 75°F (Aluminum Boat Barrier Coat over Aluminum Boat Barrier Coat)

Dry Time "to Overcoat": 5-7 hours @ 75°F (Antifoulant over Aluminum Boat Barrier)

Shelf Life: 24 months (minimum)

PHYSICAL DATA:

Vehicle Type: Epoxy Resin

Reducer (Optional): TotalBoat Special Brushing Thinner 100

Finish: Matte

Color: Gray

Components: 2

Mix Ratio (by Volume): 3:1

Solids (by Weight) +/- 2%: 50%

Weight (lbs/gal): 11

Theoretical Coverage (sq ft/gal): 400 @ 2 mils dry

VOC (g/L): < 303

Viscosity @ 75°F (KU): 70-80