



# TOTALBOAT ALUMINUM BOAT PAINT

- One-part polyurethane topside paint resists abrasion, scratches, water, chemicals, and UV damage
- Low-odor, low-VOC formula is easy to clean up with soap and water
- Available in 8 matte-finish colors

TotalBoat Aluminum Boat Paint is an extremely durable marine topside paint for aluminum and galvanized metal boats. Chromate-free formula dries fast, creating an attractive, low-sheen finish that resists corrosion, abrasion, chemical damage, and fading. No priming necessary for most applications. Perfect for aluminum duck boats, bass boats, Jon boats, layout boats, dinghies, canoes & pontoon boats. Available in 8 colors in both quart and gallon sizes.

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## CLEANER/SURFACE PREPARATION SOLVENTS:

- Denatured alcohol
- Acetone (bare substrates only)
- TotalBoat Dewaxer & Surface Prep (bare fiberglass preparation)

**CLEANUP SOLVENTS:** Water

**THINNER/REDUCER SOLVENTS:** Water

**PRIMER:** None required — TotalBoat Aluminum Boat Etch Wash (aluminum substrates), TotalBoat Rust Primer (galvanized metals), TotalBoat Aluminum Boat Barrier Coat

**PAINT STRAINER:** Medium paint strainer

**ACCEPTABLE SUBSTRATES:** Bare aluminum, galvanized metal, previously painted aluminum, fiberglass, epoxy, wood

**AVAILABLE COLORS:** Black, white, light gray, khaki, earth brown, army green, olive drab, dark earth

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## PERSONAL SAFETY:

Always use proper Personal Protective Equipment when handling this product. Refer to the TotalBoat Aluminum Boat Paint Safety Data Sheet for more info. Each color has a different composition and a different SDS, so make certain to reference the appropriate one. Only apply Aluminum Boat Paint with good ventilation.

## SURFACE PREPARATION

### BARE ALUMINUM:

- Bare aluminum should be dry and cleaned thoroughly.
- Remove any dirt, oil, grease, wax, or other contaminants.
- Sand the surface with 220-grit sandpaper until uniform and shiny.
- Remove any sanding residue and wipe the surface with a clean, lint-free cotton rag dampened with denatured alcohol.
- Allow the surface to dry completely prior to painting.
- Apply as soon as possible after completing the surface preparation — within 1 hour if possible.
- **RECOMMENDATION:** After sanding, remove all sanding residue and apply TotalBoat Aluminum Boat Etch Wash as directed.
  - After etching the surface, rinse thoroughly with fresh water.
  - Dry the surface completely prior to applying Aluminum Boat Paint.

**NOTE:** For the highest corrosion resistance with aluminum substrates, TotalBoat Aluminum Boat Barrier Coat can be applied directly to the aluminum, as directed, prior to applying Aluminum Boat Paint.

- Allow the Aluminum Boat Barrier Coat to cure for at least 48 hours under normal conditions.
- Wash the surface with warm water and a mild soap. Dry the surface completely.
- Sand the surface with 220- or 320-grit sandpaper and remove all sanding residue.
- Remove any sanding residue and wipe the surface clean with a clean, lint-free cotton rag dampened with denatured alcohol.
- Allow the surface to dry completely before applying Aluminum Boat Paint.

### GALVANIZED METALS:

- Galvanized metals should be dry and cleaned thoroughly to remove dirt, oil, grease, wax, or any other contaminants from the surface.
- Carefully remove any loose material or oxidation spots from the surface with a wire brush.
- Apply TotalBoat Rust Primer to the surface as directed.
- Allow the surface to dry completely prior to applying Aluminum Boat Paint.

### PREVIOUSLY PAINTED ALUMINUM:

- Aluminum Boat Paint can only be applied to previously painted aluminum that is in good condition.



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- Completely remove all previous coatings that are lifting, peeling, or in poor condition, and follow the instructions for BARE ALUMINUM above.
- For painted aluminum in good condition, completely remove any dirt, grease, oil, wax, or other substances from the paint's surface.
- Sand the surface with 220-grit sandpaper until it is uniform and smooth.
- Remove any sanding residue with a vacuum, then clean the surface by wiping it with a lint-free cotton rag dampened with denatured alcohol.
- Allow the surface to dry completely before applying Aluminum Boat Paint.

## FIBERGLASS:

- All bare fiberglass substrates need to be fully cured for at least 5-7 days prior to any surface preparation or application of Aluminum Boat Paint.
- The surface must be properly dewaxed, or amine blush removed prior to any further surface preparation.
- Wash the surface with warm water and a mild soap. Dry the surface completely.
- Dewax the surface very thoroughly using TotalBoat Dewaxer & Surface Prep and clean, cotton rags. Change out rags as needed to ensure that all possible wax has been removed from the substrate. This must be done thoroughly before sanding the surface, or it will grind the contaminant into the surface, spreading it, leading to fisheyes and potential delamination.
- Allow the surface to dry completely.
- Sand the surface with 220-grit sandpaper.
- Remove any sanding residue by wiping the surface clean with a clean, lint-free cotton rag wetted with denatured alcohol.
- Allow the alcohol to evaporate completely before applying Aluminum Boat Paint.

## EPOXY SURFACES:

- Epoxy substrates need to be fully cured for at least 5-7 days prior to any surface preparation or applying Aluminum Boat Paint.
- Once cured, the epoxy must be washed with a mild soap and warm water, then rinsed well to remove any possible amine blush, whether noticeable or not. This must be performed, even if the epoxy is considered non-blushing, or does not appear to have an amine blush on the surface.
- Dry the surface completely.
- Sand the surface with 220-grit sandpaper. A DA (dual action) sander can help to reduce a sense of grain, or sanding marks that show a sense of sanding direction.

- Remove any sanding residue and wiping the surface clean with a clean, lint-free cotton rag dampened with denatured alcohol.
- Allow the surface to dry completely before applying Aluminum Boat Paint.

## BARE WOOD:

- Wood should be in good condition, dry, and free of any grease, oils, tar, dust, wax, or other potential contaminants prior to sanding.
- The ideal wood moisture content to apply paint is 6-8%, but less than 10% usually yields good results. Painting wood with a higher moisture content is not recommended, as it can delaminate more easily.
- Sand the wood in the direction of the grain with 220-grit sandpaper until it is even and smooth.
- Vacuum away any sanding dust.
- Wipe the surface clean using a clean, lint-free cotton rag dampened with denatured alcohol or acetone.
- Allow the surface to dry completely before applying Aluminum Boat Paint.

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## APPLICATION METHODS

### BRUSHING/ROLLING INSTRUCTIONS:

- For most applications, TotalBoat Aluminum Boat Paint does not require thinning.
- Only thin Aluminum Boat Paint when it is necessary. Do not over-thin Aluminum Boat Paint, as it will extend dry times and lead to more drips or sags.
- Only use high-quality paint brushes and roller covers with Aluminum Boat Paint.
- For best results, use a high-quality nylon or poly tapered bristle brush that is an appropriate width and shape for the application.
- Do not use brushes with natural or China bristles.
- Foam brushes can be used but are not advised due to the lack the control and inconsistent wet film thickness they can leave.
- Only use 1/8-3/16" foam or mohair roller covers, or roller covers designed for a lint-free, high-gloss finish. Avoid nap or other hair rollers that may leave hair or fine particles behind.
- The roll and tip method is one of the best ways to apply Aluminum Boat Paint with great success:
  - Apply paint vertically with a roller, and immediately following with a brush (do NOT use foam brushes for this) using light pressure in a horizontal direction.

### SPRAYING INSTRUCTIONS:

- Only use clean, fresh water as a thinner, when necessary.



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- Only thin with the minimum amount of water possible to achieve desired spray properties.
- The actual percentage of water will depend on the spray equipment being used and environmental conditions.
  - **Airless Spray:** The pressure should be roughly 170 bar/2500 psi, with a .33-.41 mm (11-16 thousandths) tip size.
  - **Pressure Pot:** The pressure should be 3.44-4.47 bar/50-65 psi (gun pressure), and 8-10 psi (pot pressure), while the tip size should be .89-1.4 mm (35-50 thousandths).
  - **Siphon Cup:** The pressure should be roughly 3.44-4.47 bar/50-65 psi (gun pressure), with a 1.5-1.8 mm (60-70 thousandths) tip size.

## APPLICATION CONDITIONS

- Best results are achieved when the substrate, air, and paint temperatures are between 50-90°F, and the relative humidity is less than 90%.
- If possible, do not attempt to apply Aluminum Boat Paint when the air, substrate, or paint are outside of this range. Cure rates and wet edge times may be extremely long, or extremely short, making it difficult to achieve satisfactory results.
- If possible, avoid applying or curing the material in direct sunlight.
- Do not apply during times of high humidity, when rain, dew, or fog may affect the drying or finish of the paint.

## APPLICATION

- Stir or shake Aluminum Boat Paint thoroughly to ensure there is no settling on the bottom of the can before dispensing.
- Strain with a medium mesh paint strainer.
- Apply Aluminum Boat Paint as soon as possible after completing the surface preparation.
- Apply 2-3 coats at roughly 6-8 mils wet (relatively heavy, but without dripping or sagging) coats for best color, UV stability, and protection.
- Aluminum Boat Paint can be recoated once the previous coat has become tack-free.
- Aluminum Boat Paint can be reapplied without sanding for up to 12 hours. After 12 hours the previous coat will not receive the next coat properly without being sanded.
- Always wait at least 12 hours after painting before sanding. Lightly sand with 320-grit sandpaper.
- For cleaning or dust removal, do not use any solvents besides water as a cleaning/surface preparation solvent within 48 hours of applying the previous coat.

- Under normal application conditions, allow a minimum of 48 hours for Aluminum Boat Paint to cure for light use and intermittent partial submersion, and 5-7 days to harden for heavy use.

## MAINTENANCE

- TotalBoat Aluminum Boat Paint can be cleaned with an all-purpose boat soap, such as TotalBoat Boat Soap, and water. Annual coats of Aluminum Boat Paint are not required; however, a maintenance coat may be desirable after a few years if there are scratches, signs of wear, or excessive fading from UV exposure.
- It is not recommended to polish or apply wax to Aluminum Boat Paint.

### PAINT REPAIRS:

- Mask off damaged areas of the paint.
- For light burnishes or scuffs, lightly sand the isolated area with 220-grit sandpaper. Remove any sanding residue and wipe the surface with a clean, lint-free cotton rag dampened with denatured alcohol. Allow the surface to dry completely before applying 1-2 coats of Aluminum Boat Paint.
- For areas with heavier damage, scrape or sand further to remove peeling or delaminated paint.
- Prepare the exposed bare metal spots as stated in the surface preparation section of this data sheet prior to applying 2-3 coats of Aluminum Boat Paint.

### PHYSICAL DATA:

<b>Components:</b>	One
<b>Resin Type:</b>	Polyurethane
<b>Gloss/Finish Type:</b>	5-20% (@ 1hour @ 60°), Matte Finish
<b>Colors Available:</b>	Black, White, Light Gray, Earth Brown, Dark Earth, Khaki, Army Green, Olive Drab
<b>Units of Measure Available:</b>	Quarts, Gallons
<b>Coverage:</b>	80-100 sq. ft./quart, 350-400 sq. ft./gallon
<b>Solids (% by Weight):</b>	>30%
<b>Solids (% by Volume):</b>	25 +/- 2% (depending on color)
<b>VOC (g/L):</b>	<65 (Actual VOC content varies by color)
<b>Flash Point:</b>	>200° F
<b>Weight Per Gallon:</b>	8.75-9.5 (+/- .2) lbs., depending on color



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## APPLICATION DATA:

<b>Application Method:</b>	Brush, Roll & Tip, Spray
<b>Number of Coats:</b>	2-3
<b>Compatible Substrates:</b>	Aluminum, galvanized metals, steel, fiberglass, wood, previously painted surfaces
<b>Thinner/Reducer:</b>	Water (for all application methods), up to 20%
<b>Film Thickness (per Coat):</b>	6-8 mils wet (2-3 mils dry)
<b>Application Temperature:</b>	50-90°F
<b>Application Relative Humidity:</b>	0-90% (Do not apply within 5°F of the dew point)
<b>Dry Time (Tack Free):</b>	45 minutes @ 72°F (Less than 60% relative humidity)
<b>Dry Time to Overcoat Without Sanding (Minimum/Maximum):</b>	1 hour to 12 hours @ 72°F (Must be tack-free to overcoat)
<b>Dry Time Before Sanding:</b>	12 Hours @ 45°F (minimum)
<b>Minimum Cure Time Until Safe for Intermittent Water Submersion:</b>	48 Hours (@ 72°F or warmer)
<b>Cure Time for Heavy Use:</b>	5-7 days (@ 72°F or warmer)



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