



TOTALBOAT OUTDRIVE AF (NON-AEROSOL)

- Antifouling for outdrives and props
- Dual biocide controls hard and soft fouling
- Smooth, durable, polishing finish
- Available in Black

TotalBoat Outdrive AF is a full-season, copper-free ablative antifouling paint for underwater metals. Safe for aluminum and other metals because it won't cause galvanic corrosion. Use on props, drives, keels, trim tabs, through-hulls, bow thrusters, shafts, and struts.

CLEANER/SURFACE PREPARATION SOLVENTS:

- TotalBoat Dewaxer & Surface Prep
- TotalBoat Special Brushing Thinner 100
- TotalBoat Spray Thinner 101
- Acetone (bare substrates only)

CLEANUP SOLVENTS:

- TotalBoat Dewaxer & Surface Prep
- TotalBoat Special Brushing Thinner 100
- TotalBoat Spray Thinner 101

THINNER/REDUCER SOLVENTS:

- TotalBoat Special Brushing Thinner 100, for brushing and rolling applications
- TotalBoat Spray Thinner 101, for spraying and cool weather brushing/rolling applications

PRIMER/PRECOAT: TotalBoat TotalProtect (iron/steel substrates), TotalBoat Aluminum Boat Barrier Coat (aluminum substrates), TotalBoat Aluminum Boat Etch Wash (aluminum substrates)

ACCEPTABLE SUBSTRATES: Fiberglass, wood, steel/iron, aluminum, and properly prepared previously painted substrates

AVAILABLE COLOR: Black

SURFACE PREPARATION

- When using solvent wipes, change out rags, as needed, to ensure that all possible wax has been removed from the substrate. Clean the surface several times in this method to ensure all wax and other contamination has been removed. This must be done thoroughly before sanding the surface, or it will likely lead to delamination of the paint.
- Allow the surface to dry completely between steps.
- Mask off any areas that are not to be painted with Outdrive AF prior to any surface preparation.

ALUMINUM:

- TotalBoat Outdrive AF can be applied to bare aluminum that has been properly prepared.
- Remove any loose debris or rust with a scraper or stiff brush.
- Sandblast or grind the surface until the entire surface is shiny, bare metal, with a 2-3 mil profile.
- Immediately remove all sanding residue with a vacuum and/or fresh air, and wipe the surface clean with a clean, cotton rag dampened with TotalBoat Dewaxer & Surface Prep. Allow the surface to dry completely.
- For best adhesion to bare aluminum, etch the bare aluminum using TotalBoat Aluminum Boat Etch Wash within 1 hour of abrading the surface.
- Apply TotalBoat Aluminum Boat Barrier Coat, as directed, within 1 hour of etching or abrading the surface.
- Follow the application directions below.

BARE STEEL or IRON:

- TotalBoat Outdrive AF can be applied to bare iron or steel that has been properly prepared.
- Remove any loose debris or rust with a scraper or stiff brush.
- Sandblast or grind the surface until the entire surface is shiny, bare metal, with a 2-3 mil profile.
- Immediately remove all sanding residue with a vacuum and/or fresh air, and wipe the surface clean with a clean, cotton rag dampened with TotalBoat Dewaxer & Surface Prep. Apply TotalBoat TotalProtect epoxy barrier coat, as directed.
- Apply Outdrive AF over the TotalProtect, as directed below.

PREVIOUSLY PAINTED SURFACES:

- Only apply TotalBoat Outdrive AF antifouling paint to previously painted substrates that are in good, serviceable condition. Only apply Outdrive AF over compatible anti-fouling paints.
- If the previous antifouling paint is in good condition, sand with 80-grit sandpaper, then wipe the surface clean with clean cotton rags dampened with TotalBoat Special Brushing Thinner 100 or TotalBoat Dewaxer & Surface Prep, changing rags frequently, as needed, before applying Outdrive AF antifouling paint.
- Previous antifouling paints in poor condition (flaking, chipping, or peeling) should be completely removed by sanding, scraping, or using a chemical paint stripper. Then begin all surface preparation based upon the appropriate substrate material.



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HOW TO APPLY OUTDRIVE AF OVER TOTALBOAT TOTALPROTECT or TOTALBOAT ALUMINUM BOAT BARRIER COAT

- Outdrive AF can be applied directly to the TotalProtect or Aluminum Boat Barrier Coat, either by using the thumbprint-tacky method, or once the barrier coat has cured fully, and has been sanded with 80-grit sandpaper, as specified on the product label.
- The thumbprint-tacky method is preferred, as the antifouling paint can create a chemical bond with the curing barrier coat, while saving time and a few extra steps.

THUMBPRINT-TACKY METHOD:

- When the final layer of TotalProtect or Aluminum Boat Barrier Coat has cured for 45-60 minutes, touch the recently applied coating with your thumb.
- If it does not stick to your thumb, but you can make a thumbprint, you are within the 'overcoat window'. Apply antifouling paint.
- If the coating is still sticky (more than just tacky), or leaves product on the fingertip, or still feels wet, then wait a little longer.
- If the TotalProtect or Aluminum Boat Barrier Coat is fully cured to a dry state and is firm to the touch, leaving no thumbprint on the surface of the barrier coat, then wait 24 hours from when it was applied and follow the sanding method below.

SANDING METHOD:

- Wait a minimum of 24 hours from when the TotalProtect or Aluminum Boat Barrier Coat was applied and sand the barrier coat with 80-grit sandpaper until the whole surface is uniformly smooth.
- Remove all sanding residue and wipe the surface with clean cotton rags dampened with TotalBoat Dewaxer & Surface Prep, changing out rags, as needed, then follow by wiping with dry, clean cotton rags to remove any remaining residue.
- Allow any remaining surface preparation solvent to evaporate completely prior to applying Outdrive AF.

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%.
- Do not attempt to apply Outdrive AF when the air, substrate, or paint are outside of this range, if at all possible. Cure rates and wet-edge times may be extremely long, or extremely short.
- If possible, avoid applying or curing the material in direct sunlight to avoid very short wet-edge times.

- Do not apply during times of high humidity, when rain, dew, or fog may affect the application or drying of the paint.

APPLICATION METHODS

SHAKE OR STIR Outdrive AF antifouling paint very thoroughly prior to dispensing and applying. Ensure that there are no solids that have settled to the bottom of the can before applying, to ensure consistent and thorough antifouling performance.

- Apply a minimum of 1-2 coats of TotalBoat Outdrive AF per season of use.
- An extra 1-2 coats are recommended for application over any bare substrates and any other areas with increased wear, such as leading edges of keels, skegs, rudders, lower units, or outdrives.
- Apply coats at roughly 2.5-3 mils wet film thickness.
- Prior to launching, allow Outdrive AF to dry for the specified time based upon temperature:
 - 2 hours @ 90°F
 - 4 hours @ 70°F
 - 8 hours @ 50°F
 - There is no maximum amount of time that the boat can be launched after painting.

BRUSHING/ROLLING INSTRUCTIONS:

- Thinning TotalBoat Outdrive AF should not be required for most brushing or rolling applications.
- If thinning is desired, a maximum of 5-10% (1.5-3 ounces per quart of Outdrive AF) TotalBoat Special Brushing Thinner 100 can be added to help achieve the smoothest finish or increase the wet-edge time. DO NOT add more thinner than specified.
- TotalBoat Special Brushing Thinner 100 promotes the best flow, self-leveling, and working time for Outdrive AF, under most application conditions.
- Below 60°F, TotalBoat Spray Thinner 101 can also be used as a thinner for brushing applications, to help promote a quicker tack-free time, without compromising proper flow or working time.
- BRUSHES, ROLLER COVERS: Only use solvent-safe brushes and roller covers to apply Outdrive AF. Only use 3/16" foam or nap roller covers when applying Outdrive AF. DO NOT use thicker roller covers with the intentions to apply more paint, because Outdrive AF is designed to cure properly at a specified wet mil thickness. Applying it thicker may affect the performance or cure of the paint.
- ROLL AND TIP METHOD: Rolling perpendicular to the waterline, then immediately tipping with a brush in the direction of the waterline can help to give a very even and



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smooth finish to the paint. Work a small, 1' x 1' area at a time to keep an even, wet edge.

SPRAYING INSTRUCTIONS:

- TotalBoat Outdrive AF can be thinned with TotalBoat Spray Thinner 101 up to 5% (roughly 1.5 ounces of thinner per quart of Outdrive AF) for spray applications.
- DO NOT thin the paint more than directed. Use the minimum amount of thinner to achieve the desired application properties.
- The actual percentage of spray thinner will depend on the spray equipment used and the environmental conditions.
- Outdrive AF can be sprayed using conventional or airless methods.
- Settings for spray equipment will vary by application, and technique. The recommended starting nozzle size is 1.8-2mm.
- Apply thin coats, do not exceed the specified mil thickness. Applying coats thinner than specified may result in insufficient protection, or the paint wearing off prematurely.

MAINTENANCE:

It is strongly suggested that the bottom of the boat be checked regularly to make sure it is clean and that no growth is accumulating. The self-cleaning nature of the Outdrive AF coating is most effective when the boat is used periodically. Boats painted with Outdrive AF should not be scrubbed or cleaned for the first six months in the water, and at intervals of not less than three months thereafter.

WARNING!

RAGS, STEEL WOOL, OR WASTE SOAKED WITH THIS PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF DISCARDED IMPROPERLY. IMMEDIATELY AFTER USE, PLACE RAGS, STEEL WOOL, OR WASTE IN A SEALED, WATER-FILLED METAL CONTAINER.

PERSONAL SAFETY:

Always use proper Personal Protective Equipment when handling, sanding, or applying this product. Refer to the TotalBoat Outdrive AF Safety Data Sheet for more info. Only apply Outdrive AF antifouling paint with good ventilation.

APPLICATION DATA:

Application Method:	Brush, Roll, Spray
Number of Coats:	1-2
Thinner/Reducer:	TotalBoat Special Brushing Thinner 100 (Brush/Rolling), TotalBoat Spray Thinner 101 (Spraying, cool weather Brushing/Rolling)
Film Thickness (per Coat):	1.5 mils dry (2.7 mils WFT)
Coverage (sq ft/gal):	500
Application Conditions:	50-90°F (at 0-90% humidity)
Dry Time to Overcoat:	1 hour @ 90°F, 2 hours @ 70°F, 4 hours @ 50°F
Dry Time to Launch:	2 hours @ 90°F, 4 hours @ 70°F, 8 hours @ 50°F
Recommended Roller:	3/16" (nap or foam)
Colors:	Black
Sizes:	Quart

PHYSICAL DATA:

Flash Point:	105°F
Applicable Waters:	Salt water & fresh water
Base:	Solvent
Components:	One
Finish:	Eggshell
Launch Window:	There is no maximum dry time before launching
Seasonal Protection:	Single
Storage:	Keep from freezing!
Biocides:	Zinc Pyrithione: 4.8% Tralopyril: 6.0%
Solids %:	58% (Weight), 55% (Volume)
VOC (g/L):	< 330