



TOTALBOAT TOPSIDE PRIMER

- Undercoat for 1- and 2-part topside finishes
- High-solids formula covers in a single coat
- Dries quickly, easy to sand
- Flexible coating won't lift or crack

TotalBoat Topside Primer is a premium one-part, high-solids, flexible undercoat for wood, fiberglass, and previously painted surfaces. Its high-solids formula fills small surface imperfections and covers completely in just one coat—even on bare wood. Dries fast and cures to a hard, sandable finish in just 60-90 minutes at 65°F. Use above the waterline under one- and two-part polyurethane and enamel topside finishes. Lead-free and chromate-free.

CLEANER/SURFACE PREPARATION SOLVENTS:

- TotalBoat Dewaxer & Surface Prep
- TotalBoat Special Brushing Thinner 100
- TotalBoat Spray Thinner 101
- Denatured alcohol (bare substrates only)
- Acetone (bare substrates only, but specifically recommended for use on oily hardwoods or bare white oak)

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

PAINT STRAINER: Medium paint strainer (fine is also acceptable, but not necessary)

ACCEPTABLE SUBSTRATES: Fiberglass, wood, previously painted surfaces, epoxy

AVAILABLE COLORS: White, Gray

SURFACE PREPARATION

FIBERGLASS:

- All bare fiberglass substrates need to be fully cured for at least 5-7 days prior to any surface preparation or before applying Topside Primer.
- The surface must be properly dewaxed, or amine blush must be 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. 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 by wiping the surface clean with a clean, lint-free cotton rag wetted with one of the specified cleaner/surface preparation solvents.
- Allow the surface to dry completely before applying Topside Primer.

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 being 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 smooth, in the direction of the grain, with 180-grit sandpaper, until it is even and smooth.



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- Vacuum away any sanding dust.
- If desired, a tack cloth can be used to help remove any residual dust, then follow with a clean, lint-free cotton rag wetted with one of the specified cleaner/surface preparation solvents.
- Apply Topside Primer, as directed below.

PREVIOUSLY PAINTED SURFACES:

- Only apply Topside Primer to previously painted substrates that are compatible with a solvent-based paint.
- Previously painted surfaces in poor condition should be stripped back to the bare substrates. Only apply Topside Primer to previously painted substrates in good, sound condition that do not show signs of delamination, cracking, or peeling.
- Wash the surface with a mild soap and water, and rinse thoroughly.
- Once dry, wipe the surface with one of the specified cleaner/surface preparation solvents using a clean, lint-free cotton rag.
- Allow any solvents to evaporate.
- Sand the surface with 220-grit sandpaper, until it is smooth.
- Remove any sanding residue by wiping the surface clean with a clean, lint-free cotton rag wetted with one of the specified cleaner/surface preparation solvents.
- Allow the surface to dry completely before applying Topside Primer.

EPOXY SURFACES:

- Epoxy substrates need to be fully cured for at least 5-7 days prior to any surface preparation or applying Topside Primer.
- 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 by wiping the surface clean with a clean, lint-free cotton rag wetted with one of the specified cleaner/surface preparation solvents.
- Allow the surface to dry completely before applying Topside Primer.

APPLICATION

VERY IMPORTANT – READ BEFORE PRIMING!

- Only apply TotalBoat Topside Primer when environmental conditions allow (see below).
- Stir or shake Topside Primer very thoroughly before use. This is extremely important to promote the most consistent finish, and the most predictable dry times.
- **Applying Topside Primer thicker than 3 mils wet film thickness will extend dry times dramatically, and could trap solvents, making the paint squishy and soft, even if the surface has become tack-free.**
- **DO NOT apply Topside Primer thicker than recommended.**
- **Full color hide is not required for the primer to be effective, do not use the amount of hide to gauge the application thickness of Topside Primer.**
- **Topside Primer is generally rubbery to sand if it is applied too thick.**
- Topside Primer's dry time to touch is roughly 10 minutes @ 90°F, 30 minutes @ 70°F, and 1 hour @ 50°F (when applied under the specified temperature, relative humidity, and at the specified wet mil thickness).
- Topside Primer must be lightly scuff-sanded between coats with 220-320 grit sandpaper. Do not sand Topside Primer until it has cured to a hard enough film to sand easily to a very fine powder. If it is gripping or rolling the paint, it may not be ready to sand yet.



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- Remove any sanding residue; solvent wipes should not be used within 12 hours of applying the previous coat — be sparing, do not saturate the surface with solvents used to wipe the surface, if they are used.
- The absolute minimum recoat window for Topside Primer is 1 hour @ 90°F, 2 hours @ 70°F, and 4 hours @ 50°F.
- Do not tint or changing the color of Topside Primer. Gray and White colors provide excellent base colors for any range of topside colors. The White base should be used when the desired finish color is white, or any light colors, while the Gray base should be used for darker, or more bold colors.

APPLICATION CONDITIONS:

- Best results are achieved when the substrate, air, and primer temperatures are between 50-90°F, and the relative humidity is less than 90%.
- Do not attempt to apply Topside Primer 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, 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, as it can dramatically extend the dry times.

APPLICATION METHODS

BRUSHING/ROLLING INSTRUCTIONS:

- TotalBoat Special Brushing Thinner 100 promotes the best flow, self-leveling, and working time for TotalBoat Topside Primer, 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.
- 5-10% of the appropriate TotalBoat thinner can be added, as required, based upon the environmental conditions.

- Do not over-thin Topside Primer, as it will extend dry times, with an increased risk of dripping and sags.
- Only use high-quality solvent-safe paint brushes and roller covers with Topside Primer. For best results, use a high-quality natural bristle brush that is designed for oil-based/solvent-based paints, and is an appropriate width and shape for the application.
- Foam brushes can be used, but lack the control and even paint film left from a high-quality, natural bristle brush.
- 1/8" foam or mohair roller covers can be used, but nap or other hair rollers may leave hair or fine particles behind. Some of these roller covers may also specify that they are for glossy finishes — these are recommended for priming because they promote the smoothest surface, requiring less sanding before the topcoat.
- The roll and tip method (applying paint vertically with a roller, and immediately following with a brush, using light pressure in a horizontal direction), is also a very successful application method.

SPRAYING INSTRUCTIONS:

- For most spray applications, reduce TotalBoat Topside Primer 10-20% with TotalBoat Spray Thinner 101.
- Always use the minimum amount of spray thinner possible to achieve the highest gloss finish and promote the fastest dry times.
- The actual percentage of spray thinner will depend on the spray equipment being used, and the 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).



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- **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 OF TOPCOATS

- Topside Primer is compatible with single-part and two-part topside finishes.
- Topside Primer is not designed as a stand-alone product and should be overcoated with an appropriate topcoat.
- After Topside Primer has dried sufficiently to sand, the surface should be sanded and cleaned according to the desired topcoat.

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 this product. Refer to the TotalBoat Topside Primer 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 Topside Primer with good ventilation.

APPLICATION DATA:

Application Method:	Brush, Roll, Spray
Number of Coats:	1-2
Film Thickness (per Coat):	1-2 mils dry (3 mils wet)
Application Temp.:	50-90°F
Application Humidity:	0-90%
Dry Time to Touch:	10 minutes @ 90°F 30 minutes @ 70°F 1 hour @ 50°F
Dry Time to Overcoat:	1 hour @ 90°F 2 hours @ 70°F 4 hours @ 50°F

PHYSICAL DATA:

Vehicle Type:	Phenolic Modified Short Oil Alkyd
Finish:	Flat 5-10°
Components:	One
Coverage (sq ft/gal):	350-400
Solids (by Weight):	61-64%
Solids (by Volume):	42-45%
VOC (g/L):	< 358
Flash Point:	1°F
Units of Measure:	Quart, Gallon
Colors Available:	White, Gray