Technical Data & Application Guide



PropGlide® is an environmentally friendly foul release coating for propellers, rudders, shafts, struts, trim tabs, pod drives, thrusters, and sail drives which prevents the attachment of marine growth by low critical surface tension. PropGlide® does not contain cuprous oxide or TBT compounds or any other toxic substances which might cause environmental pollution. PropGlide® is sold in 5 size kits. Sailboat, Small, Medium, Large and Extra Large. For the best size kit for your application, please visit: PropGlide® Coverage -> https://www.propglide.com/propglide-coverage/

Each PropGlide® Kit contains various sizes of Primer Base, Primer Hardener, and a Clear Topcoat. Choose the correct size for your application as once the components of any size kit are opened, they must be used for the application the same day or discarded.

Sailboat Kit	175ML/.37 Pint (PCK-175) Contents: 60ML Primer Base, 15ML Primer Hardener, 100ML Topcoat
Small Kit	250ML/.26 Quart (PCK-250) Contents: 120ML Primer Base, 30ML Primer Hardener, 100ML Topcoat
Medium Kit	625ML/.66 Quart (PCK-625) Contents: 300ML Primer Base, 75ML Primer Hardener, 250ML Topcoat
Large Kit	1250ML/ 1.32 Quart (PCK-1250) Contents: 2-300ML Primer Base, 2-75ML Primer Hardener, 2-250ML Topcoat
Extra Large Kit	5210ML/1.35 Gallon (PCK-5120) Contents: 2729ML Primer Base, 681ML Primer Hardener, 2- 855ML Topcoat

Kit Pot Life: 2-4 Hours **Kit Temperature Storage:** 5-25°C/40-80°F **Kit Shelf Life: 3 years**

This PropGlide® Technical Data & Application Guide will detail how to apply any size kit by detailing the best preparation of the surface and application of the Etching Primer, and the final application of the Clear Topcoat.

Preparation of the Surface

The preparation of the surfaces to be coated with PropGlide® is the key for the product to work effectively.
Preparation Step 1: Remove previous coatings, fouling organisms/marine growth from metal surfaces. All substrates that are to be coated with PropGlide® must be bare metal. These areas should be machine sanded with a Dual Action sander fitted with a soft pad and 60-80 grit abrasive discs sandpaper. Sanding the surface by hand is recommended at hard-to-reach areas where the dual action sander cannot reach. Use 60–80 grit wet/dry sandpaper, with water as a lubricant. Make sure the sandpaper is changed frequently to ensure the necessary profile is achieved. Hand sanding these hard-to-reach areas is required to ensure the surface is properly abraded. The shaft should be done with hand sanding rather than using a machine. From this point forward, there shouldn't be any direct hand contact to areas which are to be coated with PropGlide®. It is advisable to wear latex gloves as it will ensure the areas to be painted remain clean and sound.

Preparation Step 2: Once the surface sanding process is completed, wash all the areas with clean fresh water and wipe with clean, lint-free cotton rags soaked in water to wipe off sanding residue. Continue doing this until the rags don't show any sign of residue, contaminants, or discoloration.

Preparation Step 3: After cleansing with water is completed, use a rag soaked in acetone or denatured alcohol to remove water on the sanded surface.

Continue to use the rag until it becomes dry from evaporation of the acetone or denatured alcohol. Use one or more rags as required, until the rag looks white clean, as there will be no contaminants when the rag is white clean. Again, care should be taken not to touch cleaned surfaces with bare hands. This is because fingers and hands contain oils which can transfer to the cleaned surfaces and therefore would inhibit the adhesion of the coatings.

Apply the PropGlide® Etching Primer

There is a Primer Base and a Primer Hardener to activate the primer base. This two-component etching primer dries chemically by reaction of the mixed components and provides protection against corrosion and increases the

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adhesive property of the subsequent coats. It may be used as a pre-treatment primer on non-ferrous metals such as bronze and aluminum as well as zinc and galvanized iron. May also be used as pre-treatment primer on blast-cleaned steel plates.

Temperature Limitations: Primer Base, Hardener and Clear Topcoat should be brought to 70-80°F (21-27°C) temperature range prior to mixing and application. Apply in good weather conditions when air and surface temperatures are above 50°F (10°C). Surface temperature must be a least 50°F (10°C).



PropGlide® Etching Primer Physical Properties

Mixing Ratio: Entire contents of Primer Hardener into Primer Base = 4:1 by volume
Color: Primer Base: Yellow; Primer Hardener: Clear
Dry Film Thickness: 8 microns
Drying Time: 5-15 minutes touch dry (temperature dependent)- 1 hour hard dry @ 20°C/68°F
Painting Interval: Apply 2nd Coat of Etching Primer when touch dry (5-15 Minutes)
Pot Life: 4 hrs @ 20°C/68°F

Application Step 1: Agitate the Primer Base contents by scraping the bottom and sides of the can, as there will be settling. Mix contents of primer until the settled parts are incorporated back into solution and uniformly blended. Do not strain material, even if particles are present.

Application Step 2: Stir Primer Hardener then add **entire contents** to the Primer Base container. Mix primer base and hardener for 30 seconds and apply mixture to sanded surface immediately after mixing.

Application Step 3: Application of the Primer Base/Hardener mixture should be thin. The film should be thin enough, so that it is barely coating the surface, yet it does not provide sections or lines on the sanded surface that are not coated. Do not touch the primer mixture as it dries. The method of application of the primer may be done by using either a natural bristle brush or foam roller.

Application Step 4. Apply a second coat of Primer Base/Hardener mixture after the first coat dries and appears dull. Typically, 5-20 minutes depending on temperature.

Apply the PropGlide® Clear Topcoat

The Clear Topcoat should be applied to the last coat of Etching Primer **within 5-15 minutes**. The Clear Topcoat serves as a slick finish that will inhibit marine growth from attaching to the surface.



PropGlide® Clear Topcoat Physical Properties:

Binder type: Silicone Polymer
Mixing: Stir only (DO NOT SHAKE)
Color: Clear
Finish: Glossy
Dry time: 45 minutes touch dry ; 8 hours hard dry @ 20°C/68°F
Recommended film build: 75 microns per coat
Thinning: up to 5% Xylene
Clean up: Acetone

Application Step 5: After 5 to 15 minutes (depending on temperature) of applying the 2nd coat of Primer/Hardener mixture, promptly apply the Topcoat. Simply stir the topcoat (DO NOT SHAKE) prior to application. The application of Topcoat will be thicker than Primer/Hardener mixture, yet not thick enough so that the Topcoat produces runs. The Topcoat is to be applied with brush only, NO foam applicators are to be used.

Application Last Step 6: Let the Topcoat dry overnight before launching. **<end>**

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