PROPSPEED®

NEW APPLICATION TECHNIQUE

NEW ALL-IN-ONE APPLICATION KIT

Product code:
PSAP4KIT

Product code:
PSAP4-10

APPLICATION PROCESS OVERVIEW

* METAL PREPARATION

1 INITIAL CLEAN

2 METAL CONDITIONING

3a&b ETCHING PRIMER

4 CLEAR COAT

PLANNING YOUR APPLICATION:

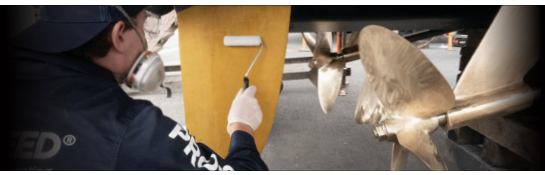
The process to apply Propspeed isn't difficult, but it must be strictly adhered to in order to get a superior result. Failure to follow the instructions accurately will likely result in premature failure of the coating.

Ambient temperature has an effect on the application of Propspeed, and the drying times of the Etching Primer and the Clear Coat. We recommend a minimum temperature of 10°C / 50°F. It is also recommended to avoid applying the product in direct sunlight or humidity above 85%.

The application of Propspeed requires planning. Make sure you have installed and taped over all zincs, all application gear is on hand, and you thoroughly understand the process – now you're ready to start.

APPLY LIKE A PRO

Scan for Detailed Application Instructions.



APPLY HERE

THE TOOLS YOU WILL NEED:

- Paper paint suits
- Disposable gloves
- Eye protection
- Dust sanding mask
- Dual action sander
- 80-grit sandpaper
- Plenty of clean rags or microfiber towels
- Propspeed Application Kit (PSAP4KIT) for Etching Primer & Clear Coat

PREPARATION

* METAL PREPARATION
REAPPLICATION & 80-GRIT PROFILE

80 grit profile (Mechanical bond)

metal substrate

To remove old coating use Stripspeed, as a last resort use a dual action sander. **You must wear a dust sanding mask when removing old Propspeed - inhaling any residue could be harmful.** Metal surfaces must be abraded to an 80 grit profile for the coating to form a mechanical bond.

1 INITIAL CLEAN

Propclean

metal substrate

From this step onwards, you must wear gloves at all times when touching any surface that is to be coated. Wipe down the surfaces with **Propclean** wipes, immediately wiping with a clean, dry rag. Repeat until there is no residue left on the cloth.

2 METAL CONDITIONING

Propprep
(Chemical bond)

metal substrate

Wipe down the surfaces with **Propprep** wipes, immediately wiping after with a clean, dry rag. Repeat until there is no residue left in the cloth. **Propprep** contains no corrosion inhibitors, so proceed with **Step 3** as soon as possible, at the latest within 4 hours.

CRITICAL INFORMATION:

Be prepared! Once you start this stage of the application process **you need to finish it without breaks**. Ensure all product is mixed and ready to go, and all the tools you'll need are easy to access. **You may need to work in sections**, applying both **Etching Primer** and the **Clear Coat** to one area before moving on to the next.

PRODUCT FLASH TIME
3-5 min @ 27°C / 80°F

OPTIMAL APPLICATION TEMPERATURE RANGE
16°C / 60°F - 32°C / 90°F

CURING TIME
8 hours @ 27°C / 80°F

COATING

3a&b ETCHING PRIMER

The yellow pigment in the bottom of the **Etching Primer Base** must be thoroughly mixed before adding the **Etching Primer Hardener**. This usually takes no more than 2 or 3 minutes.

Note: Failure to thoroughly mix the **Etching Primer Base**, as described above, may lead to premature hardening, inconsistencies and short life expectancy of the final coating system.

Once there are no solids left in the can, add the **Etching Primer Hardener** to the can and mix again. Any product not being used immediately can be re-sealed in the can and left in the shade for up to 6 hours.

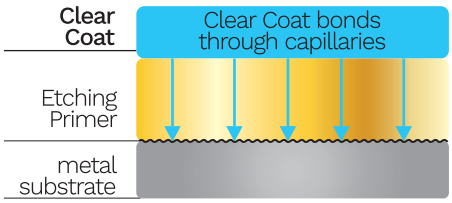
For best results and to achieve the time constraints, use **one of the 4" Propspeed Rollers** from the Propspeed Application Kit to apply the Etching Primer.

The Propspeed system requires 2 generous coats of **Etching Primer**. To access all parts of the propeller and shaft we recommend turning the prop using a wooden stick, or gloved hands. Once you have applied the first coat of **Etching Primer** wait approximately 3 to 5 minutes before applying the next coat. The timing of each coat is essential to enable the required chemical bond between coats.

To test if it is ready, use the dry-to-touch test method: touch the wet **Etching Primer** with your gloved finger – if it leaves a small print on the primed surface but no **Etching Primer** transfers to your fingertip, then you can begin applying the next coat. The wait between coats of **Etching Primer** is very important and must be adhered to.

The 3-5 minute re-coat timing is based on 27°C / 80°F temperatures, cooler temperatures will slow down the re-coat time between the 2 coats of primer, as will warmer temperatures and windy conditions speed up the re-coat time between the 2.

4 CLEAR COAT



You need to proceed with the **Clear Coat** as soon as the last coat of Etching Primer is dry to touch. Allowing the Etching Primer to dry completely may result in a failure in adhesion between the coats.

Ensure the Clear Coat is well mixed and apply using the **second Propspeed roller from the Propspeed Application kit** (no foam rollers). Apply a liberal coat to where it will not drip or "hang". You have roughly 10 minutes to work with the Clear Coat before it starts to set on the surface you have applied it to. If you feel you need to add more Clear Coat or spread areas out, do so within the fluid time of the coating before it skins over to dry. Once dry, do not add any more Clear Coat as it will not stick to itself.

Make sure there are no heavy runs or sags in the Clear Coat. You'll have anywhere from 5 to 10 minutes to touch these up.

Make sure the surface is completely coated with **Clear Coat**. Any missed areas will appear dull in luster. When you have finished coating the entire propeller with **Clear Coat**, give the propeller one more visual inspection just to make sure there are no areas that you might have missed and to check again that there are no runs in the **Clear Coat**.

Propspeed requires a minimum of 8 hours to dry before launching. In cold conditions, 10-16°C / 50-60°F, we recommend at least 24 hours drying before launching. Unlike traditional bottom paints Propspeed's effectiveness is not adversely affected by sitting out of the water for extended periods of time in warm or cold climates.

During cleaning of your hull only use a soft cloth on the Propspeed. If the wiping cloth collects shells remove them before proceeding with the wipe down so as not to damage the Propspeed. Avoid any abrasive cleaning materials or direct high-pressure water.