



## Propspeed Etching Primer Technical Data Sheet

<b>Product Line</b>	Propspeed Etching Primer
<b>Description</b>	A two-component etching primer, chemically drying by reaction of the mixed components and providing protection against corrosion and increasing the adhesive property of the subsequent coats.
<b>Typical Uses</b>	As a pre-treatment primer on non-ferrous metals such as bronze and aluminium as well as zinc and galvanised iron. May also be used as pre-treatment primer on blast-cleaned steel plates.

### Physical Properties

Mixing Ratio	- Base : Additive = 4 : 1 by volume (as supplied)
Colour	- Base : Yellow - Additive : Clear
Finish	- Matte
Coats to apply	- 2
Theoretical Coverage	- 11 m <sup>2</sup> /L   448 sq ft/US gallon
Wet film thickness	- 90 microns   3 - 4 mils (per coat)
Dry Film Thickness	- 8 microns   < 1 mil (per coat)
Volume solids	- 9 %
VOC level	- 676 g/L   5.64 lbs/US gallon
Specific gravity	- 0.89 to 0.91 g/L
Dry time	- 10 minutes touch dry (temperature dependent) @ 20°C   68°F - 1 hour hard dry @ 20°C   68°F
Painting Interval	- Apply Propspeed Clear when Etching Primer is just touch dry
Pot Life	- 8 hrs @ 20°C   68°F
Shelf life	- 3 years at 25°C   77°F
Solvents	- Xylene, isopropyl alcohol and isobutyl alcohol blend
Clean up	- Acetone or Xylene

<b>Application</b>	Brush, foam roller or airless spray
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### Surface Preparation & Application

See application video [www.propspeed.com/application](http://www.propspeed.com/application)

#### Propellers, shafts and rudders

Clean off all marine growth. Sand with 80 grit paper. Wash with clean water to remove sanding dust and allow to dry. Use Propclean to remove any organic contaminants, including grease and oil resulting from fingertip contact with the metal substrate. Wipe on and wipe off immediately with a clean cloth until clean. Apply Propprep to provide a

chemically conditioned surface and wipe off with a clean cloth. Apply 2 coats Propspeed Etching Primer, when touch dry apply 1 full coat Propspeed Clear by brush, ensuring edges are free from drips. Do not immerse for minimum of 8 hours.

### **New Propellers**

We recommend pre-conditioning all metal with Propclean and Propprep before applying the Etch Primer, refer to Propclean and Propprep data sheets.

### **Removal and Recoating of Propspeed**

Process: When reapplying Propspeed the following steps should be taken.

- Remove the old Propspeed using 80 grit paper or Propstrip (refer TDS sheet).
- Clean entire area with Propclean and Propprep.
- Recoat as per Propspeed instructions.

## **Health & Safety**

### **Clear Coat**

Contains organic solvents including xylene. Do not expose to naked flame or high temperature heating equipment. Avoid skin contact. It is recommended that a barrier cream or gloves be used for hands and eye protection is worn. Always ensure adequate ventilation when painting.

### **Transport**

UN No.:	1263
Class:	3a
Hazchem:	2(Y)E
Packing Group	II

### **Storage**

Do not store close to naked flames or near high temperature heating equipment.