



Propspeed Etching Primer Technical Data Sheet

Product Line	Propspeed Etching Primer	
Description	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.	
Typical Uses	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 ² /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	- 0.87 to 0.92 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	- 2 years at 25°C 77°F	
Solvents	- Xylene, isopropyl alcohol and isobutyl alcohol blend	
Clean up	- Acetone or Xylene	
Application	Propspeed Application Kit Roller (PSAP4KIT, PSAP4-10), brush, foam roller.	

Surface Preparation & Application

See application video www.propspeed.com/application

Propellers, shafts and rudders

Clean off all marine growth. Remove old PropSpeed using Strispeed (refer TDS sheet). Abrade metal surface to an 80-grit profile. 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 Propspeed roller or brush, ensuring edges are free from drips. Do not immerse for minimum of 8 hours.

New Propellers

We recommend abrading the metal surface to an 80-grit profile, then 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 Stripspeed (refer TDS sheet).
- Abrade to 80-grit profile, and clean entire area with Propclean and Propprep.
- Recoat as per Propspeed instructions.

Health & Safety

Etching Primer

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. Wear long-sleeved impervious protective clothing to avoid any possibility of liquid/vapour contact. When handling product, do not eat, drink or smoke. Always ensure adequate ventilation when painting and ensure appropriate certified respirator is used.

Transport

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

Storage

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