



Quality Marine Equipment
Since 1981



CRYSTAL PROP APPLICATION GUIDE



ATTENTION

Please read all information before beginning.

Coverage Estimates

- Normally coverage is approximately 15 square feet of metal per 100ml kit. A 100ml kit would normally cover 2ea 20" 4 blade propellers or one 34" 3 blade propeller.

Surface Preparation

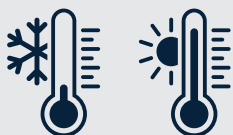
- All metallic surfaces must be rough and clean. (See instructions)
- For cleaning grease and dirt use only Acetone or Denatured Alcohol. When a rag stays clean then the prop is clean. Never wash the sanded surface with water, soap, detergents or acid!
- Do not touch the surface with bare hands, this will leave traces of grease or dirt.
- Do not apply when the metal surface temperature is below 41° or above 95°.

Aluminum must be protected with an appropriate epoxy coating before applying Crystal Prop. This is not necessary when aluminum is already protected with a factory finish (such as new stern drives or SailDrives). For epoxy factory finishes, sand the surface with a fine sandpaper (120 grit), removing all gloss or shine before applying Crystal Prop.

EQUIPMENT NEEDED

- Crystal Prop Part A and Part B
- Measured mixing container
- Acetone or Denatured Alcohol
- Disposable gloves
- Eye protection
- Sanding mask
- Stirring stick
- 80 grit sandpaper
- 120 grit if coated aluminum
- Clean rags
- Brush

IMPORTANT INFORMATION



**Optimal Surface
Application Temperature**
41°F (5°C) - 95°F (35°C)



Drying Time
2 hours - Dry to the touch
12 hours - Completely dry



Curing Time *
48 hours at 68°F (20°C)

** If average temperature is below 68°F, allow for additional curing time.*

SURFACE PREPARATION

1. Remove all existing antifouling or other coating by using 80 grit sandpaper. Use either a dual action rotary sander (we suggest using a soft pad in order not to damage the propeller) or by hand. Do not remove factory finish from aluminum stern drives.
2. If the propeller is new or has grease on it, degrease the propeller surface prior to sanding with Acetone or Denatured Alcohol.
3. Thoroughly sand all metallic surfaces with dry 80 grit sandpaper (120 grit on coated aluminum). A dual action rotary sander can be used here. Do not use wet sandpaper. **The surface must be very rough after sanding.** Do not use sandpaper that is coarser than 80 grit or anything finer. Do not use worn out sandpaper. Do not use Scotch Brite. We do not recommend sandblasting unless done by an experienced professional.
4. Clean all metallic surfaces carefully after sanding with Acetone or Denatured Alcohol. Use a clean rag and change it often. When the rag stays clean then the prop is clean.

MIXING

5. Shake bottles very well prior to mixing. Pour an **EXACT** 1:1 mix of part A and part B into the mixing container.
6. Stir parts together thoroughly but gently so as not to create bubbles in the mixture.

APPLICATION

7. Apply one coat of Crystal Prop by brush. Apply it with continuous long brush strokes for a thin smooth layer (Approximately 60 microns).
8. It will be dry to the touch in 2 hours, and completely dry in 12 hours. Wait at least 48 hours at 68°F (20°C) before launching.
9. Carefully read the instructions on the label and always wear suitable protective clothing, goggles, mask and gloves as prescribed.



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