

PropPurr™

Application Notes

PropPurr™ works by chemically bonding a silicone coating to a bronze surface. For a proper bond:

- Avoid high humidity or rainy days when applying PropPurr™
- Apply PropPurr™ to the bronze surface within one or two days before immersion in the water. Application temperatures should be over 45° F.
- Expose new bronze on the surface by sanding or cleaning with a wire brush. The smoother the better.
- Remove all sanding residue and oils using a paper or cloth towel wetted with acetone or alcohol.
- Apply PropPurr™ shortly after sanding and cleaning.

Sanding or wire brush cleaning

The quickest way to clean the surface is to use a right angle grinder with a wire brush attachment. The wire brush should not be the twisted wire type. Alternatively 220 grit sandpaper can be used. Ensure that the surface is smooth and somewhat uniform in bronze color.

Do not use acid cleaners or acid etchants. The acid often attacks other metals in the copper alloy and eventually weakens the metal. Also the acid remains in the grain boundaries of the alloy and degrades the adhesion of PropPurr™. If acid cleaners are used, or have been used in the past, soak in a solution of baking soda and water to neutralize the acid. Then rinse with clean water.

Wear latex or nitrile rubber gloves. Avoid breathing vapors.

Solvent clean the surface

The sanding residue must be removed or PropPurr™ will chemically bond to the bronze particles in the residue in addition to the bronze surface to be protected.

It is often surprising how much residue remains after a single solvent wetted towel wipe. Clean the surface again with fresh solvent wetted towel till no more residue can be seen.

Apply PropPurr™ to the surface

Use a small piece of paper towel, a cotton ball, or a small gauze pad wetted with PropPurr™ when applying to the surface. Apply in temperatures over 45° F.

It is not necessary to rub the coating in, just make sure the surface is fully wetted by PropPurr™. Usually the surface dries in less than an hour.

Maintenance

Surfaces coated with PropPurr™ may need periodic cleaning by hand, using a sponge, or scraping with fingernails, wood, or plastic. Avoid using scrubbing pads that will scratch off PropPurr™. Cleaning is required more often when there is little motion through the water and when marine life blooms. If the prop is run hard, it often self-cleans.

PropPurr™ works better on some bronze alloys than others. The anti-corrosion protection varies with the metal coated. Once the corrosion protection is gone, the ability of the coating to reduce marine life adhesion is also depleted.