

For uncoated Bronze, Copper, Silver, Stainless Steel, Aluminium and other unpainted metals.

1 Polish the surface of tarnished or oxidised metal to the lustre desired with any metal polish. The metal can also be sanded or just cleaned. If you have used stainless steel rust remover, cleaning gels and other types of cleaning agents ensure that these are washed off with clean water. Ensure Step 2 is followed.

2 Neutralize Use the *EZ Prep™ Cleaner & Neutralizer* mixed 1:5 with water; OR make up a mixture of 1 cup baking soda mixed with 4 litres of water. Wash the metal with the neutralizing solution. Rinse off with fresh water and dry with a clean cloth to prevent spotting. The surface must be neutralised to rid all traces of acid. **DO NOT SKIP THIS STEP OR THE COATING MAY FAIL.**

3 Solvent Wipe the metal with xylene or denatured alcohol like methylated spirits (NOT isopropyl as it leaves a film) to remove any possible traces of residue from polishes, waxes, oils, buffing compounds, finger prints, protective film etc. **DO NOT SKIP THIS STEP OR THE COATING MAY FAIL.**

- **Solvent wiping needs to be done immediately before coating.** Skipping this step will result in poor adhesion of the coating. (Solvent is NOT supplied by Everbrite – this is available at hardware stores)
- **New Metal or Metal with Patina.** Solvent wipe to remove any residue or contaminant, then apply coating.
- Solvent will NOT remove most forms tarnish or patina. Test a small area first.

4 Application of Coating

- Personal Protection: Use nitrile or chemical protective gloves to protect your hands (*Rubber gloves will get sticky due to the solvent in the coating*) Use Eye Protection if spraying any coating, and a NIOSH respirator is recommended.
 - **Apply the coating to a completely dry surface.** Warming the metal with heat gun or hairdryer will also help ensure a dry surface. Porous metals like raw steel should be warmed to ensure the metal is completely dry.
 - **Do not dilute/thin the coating** as the coating will fail.
 - **Do not use plastic** for application containers as the solvent can melt some plastics. **Use metal or glass containers.**
- a) Pour the coating into a clean, dry, **metal or glass** pan. An aluminium foil lined container can be used.
 - b) For application, use an application pad, foam brush or sponge wedge, high-density foam roller, natural-bristled brush, clean dry lint-free white cloth, or paint sprayer with a fine-finish tip. If using a cloth, cut it into a strip and fold it into a pad. Items can also be dipped into the coating.
 - c) Submerge applicator completely into the coating. This is important as dry areas in the applicator can cause streaks. **Squeeze out the excess. Applicator should be saturated but not dripping.**
 - d) Apply the Coating to the surface letting the applicator glide across the surface. Do not press hard. Applicator should glide smoothly, when it starts showing resistance, dip the applicator again. If you get drips, simply smooth them out within a minute before the coating starts to dry. Then leave it alone to self-level. *Observe the coating. **If there is fisheye or the coating separates, STOP and re-clean the surface.** Silicone can cause separation and can be cleaned with mineral spirits.
 - e) Let the coating dry. **It will self-level when left alone.** If you see an area you missed, let it dry and then coat over the missed area. Wait at least one hour between coats. Everbrite coatings are self-annealing- meaning the second coat will become part of the first coat, so it is important not to press hard while applying. Gently glide your applicator over the surface.
 - f) Clean up afterwards: Natural bristle brushes and spray tips can be cleaned with Xylene. Applicator pads are discarded as one time use only. **TIP:** Wrap applicator pads and brushes snugly with aluminium foil for short term protection against drying out and hardening.

DRY CURE TIME: Under normal circumstances and with good ventilation, the coating will be fully cured after 4 to 5 days. The coating will be delicate until it is fully cured. Coating **MUST** be cured before allowing water, steam to sit/dwell on the coated surface, immersing in water or filling fountains, etc. You can shorten **cure time** by gently heating the coating **AFTER** it is dry to the touch. Put dry, coated item in a low temperature oven (85°Celsius or less) for 1 hour. *For Raw, Cold Rolled or Mild Steel only - Due to their porous nature these require 3 to 4 coats.*

AFTER CARE: DO NOT use abrasives, solvent based cleaners or cleaners containing 'petroleum distillates' to clean coated metal.

Suggested cleaners: Mild soap & water or similar.

The article to be coated must be scrupulously clean and dry. If you try to take shortcuts on cleaning, you will probably have to remove the coating and start over. Everbrite Coatings can be removed with a solvent like Xylene. (Available from Hardware Stores)

***** Please read and follow all directions and cautions on the packaging.**

Material Safety Data Sheets can be located on-line: <http://everbrite.co.nz/image/catalog/pdf/ProtectaClearMSDS.pdf>