

TECH LINE Coatings

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Mixing and Application Instructions for ColorGard™ Shiny Aluminum

ColorGard™ Shiny Aluminum is a high temperature, corrosion resistant, thermal barrier. It has properties that give a semi reflective surface and a bright shiny aluminum appearance to parts. It resists heat to over 1200°F surface temperatures. It will cure when baked at 500°F for one hour, this can be done on the vehicle or in a shop oven.

It is important to have the correct personal protective equipment to apply the ColorGard™ products. Use chemical resistant gloves, safety glasses and a respirator.

Mixing

Parts A (liquid) and B (pigment) must be mixed prior to application. There is a minimum of several days or even weeks pot life to the mixed coating, this depends on keeping the mixed coating in a cool dry area with the top sealed.

Add Part B to Part A while stirring.

After adding the Part B, seal the lid and shake well. Adding some clean ball bearings or nuts to the mixture can help properly agitate the contents.

If you wish to mix only what is needed, you will need a gram scale to measure the materials out, and a separate sealable mixing container.

The ratio for mixing is: 1 liquid ounce (or 29 grams) of Part A to 2 grams of Part B.

Application & Curing

The part to be coated must be free of all dirt, dust, oil, grease, moisture, waxes, polishes and other contaminants. Cleaning can be done with acetone, lacquer thinner or other solvent that evaporates completely and does not leave any residue. Do not use cleaners that contain petroleum products.

Clean the parts and apply the coatings, in a well-ventilated area away from sources of ignition such as fire, flame or sparks.

- All parts must be free of all oils, grease, moisture, dust, scale or corrosion. Sandblast all parts. Recommended media is 100-120 grit aluminum oxide or similar hard, sharp, fine media. **(DO NOT USE GLASS BEAD)**
- Apply coating using an airbrush or detail touch up gun with a top no larger than 1-mm. Spray all hard to reach areas first, then finish with light fog passes.
- Inspect part for complete coverage.
- The coating will air dry to the touch in a few minutes.
- Recommended curing method is in an oven or kiln at 700°F for one hour. May be partially cured in an oven at 500°F and finished on vehicle* (see below).
 - For on vehicle cure, allow the part to completely dry (overnight) then install the part on the vehicle.
 - *The coating can be fully cured by the heat from the exhaust. This must be done slowly and gently. Allow the vehicle to idle for at least 30 minutes, then take for a slow, gentle drive for 30 minutes or until coated parts no longer emit any smoke. DO NOT overheat the part before it is fully cured. Run the motor in a well-ventilated area or outdoors only.