ELECTROFORMING w/ GP-3
PLATING OF PLASTIC AND OTHER NON-CONDUCTIVES

Conductive Paint GP-3 specs
Cure: air dry in 10 minutes but wait 8-12 hours before plating, Conductivity: < 3 ohms/sq mil, Thinning: Lacquer or MEK. Max Temp: 240F. Can be used with any plating solution for base plating. For brushing on coating, use as is or thin by no more than 50/50. For air brush applications, the GP-1 should be thinned by 1 part GP-3 and three parts thinner or MEK.

Electroforming is a process of plating parts which cannot normally be plated because they are not conductive. This process is done commercially by dipping the part into stannous chloride and then a palladium conductive dip to create a conductive surface on any plastic part. Plating with either electroless copper or electroless nickel will ensue. Many of the everyday products that you come across are produced via electroforming such as records, CD/DVD, jewelry, circuit board parts, precision molds for stamping everyday plastic and metal products, dental crowns/bridges for your teeth, printing screens, and much more.

You are now using our new line of conductive paints. Since you chose the GP-3, you are using our top-of-the-line product. This process can be used on plastic car or motorcycle parts, living things-such as flowers, leaves, stones, sea shells, baby shoes, glass, silver or gold overlays on crystal, and almost anything else you would like to plate. The simple steps are as follows:

1) Clean and oil or dirt off the piece
2) If the piece is fragile or porous such as a leaf, rose, or butterfly, coat the piece with some kind of lacquer spray paint to protect it from the ensuing process steps as well as prevent the part from absorbing the GP-3.
3) Glue or wrap a piece of aluminum, copper, or brass wire onto the piece to help it conduct current. In the case of a gold electroform piece that is going to be used as a pendant on a necklace, you may want to secure a ringlet or eyelet onto the piece.
4) Dip or spray one of our conductive coatings onto the piece. Be sure to paint a few inches up the metallic wire.
5) Let dry for eight hours to twelve hours.
6) Rinse any dust off and place into an electroless plating bath or into any regular copper, silver, gold or nickel bath.
7) When using our EN-RT or EN-M, place part into bath. If no bubbling off the part is apparent with 30 seconds, you will have to initiate the plating electrically.