

Electroforming + Enameling: the pairing of surface and form

Supplies:

Brown microcrystalline Sculpture Wax [3]

and/or other soft waxes such as red sprue wax (NOT carving wax such as blue, green, etc)

Wax carving tools such as:

old dental tools (call your dental hygienist), old exacto knife, butter knife, toothpicks, etc

Copper wire of various gauges

Distilled water

Liquid enamel, i.e. "crackle enamel", or Thompson 533 liquid white, or liquid flux

Eyedropper, pipette, or plastic syringe for dispensing oral liquids (at local pharmacy)

Baking soda

Wire scrub brush

Squeegee oil

Paintbrushes

Bamboo skewers

Enamel powders of your choice

Mica

Nichrome wire or old enameling screen you can take off a wire or two

Old baking sheet or pizza pan (thrift store?) that will get ruined with wax

Old pot with lid (thrift store) that will get ruined with wax

Metal tripod with mesh screen for soldering--will get ruined with wax (or you can clean it off later)

Mineral Spirits for cleaning up wax drips and cleaning squeegee oil out of brushes Access to:

Torch (soldering or plumbing)

Enameling kiln and trivets, screens, etc. to fire the enamels

Electroplater, or buy the Duo3 Electroforming Kit [1] from Rio Grande Optional Supplies:

Plaster of Paris

Alcohol Lamp

Micron Pen, .08 tip (biggest size) or Brush tip

Turkish coffee pot or other small pot with lip for melting wax and easy pouring (will get ruined)