



Metal Magic Silver Clay Overview & Firing Guide

Metal Magic Silver Clay by MetalClays.com combines microscopic particles of silver with water and a nontoxic organic binder to create a material that can be worked with as easily as modeling clay. Objects can be made with simple tools that are then dried and heated in a kiln. This drives off the water, burns away the binder and fuses the silver particles into solid .999 silver. This type of metal clay cannot be torch fired.

General Instruction

Metal Magic Silver Clay is ready to use directly from the package. Keep your clay tightly wrapped in a clay hydrator until you are ready to use it. Apply a thin layer of a non-stick release such as SLIK to your hands. This will prevent the clay from sticking and will also condition the clay. Clay can be rolled out, layered and shaped into any form limited only by your imagination. Use water and slip to seal joints and smooth surfaces. Take care not to use too much water. Dry clay naturally overnight or expedite drying in a dehydrator or hot plate for approximately 20 minutes. Do not exceed 175° F as this can cause binders in the clay to burn off which can cause distortion of your piece.

Place any scraps of unused clay in plastic wrap and place in a clay hydrator.

Dry pieces can be sanded, filed and carved. Make sure to collect small scraps and sanding dust from your silver clay items, as it will make a great slip when you collect enough. Creating slip is done by simply sifting scraps and dust through a fine kitchen sifter and adding a small amount of distilled water to create the desired consistency.

Embedding Objects

Any object like cubic zirconia, lab created gemstones or findings can be fired in place as long as they can withstand the kiln firing temperature of 1600°F for 30-90 minutes. See our gemstone guide for more information on firing gemstones in metal clay.

Firing

Make sure your piece is fully dry and place on a kiln shelf raised with posts above the kiln floor. Fire 30-90 minutes at 1600°F/843°C. We recommend 90 minutes for maximum sintering, durability and strength.

Finishing

After firing, Metal Magic Silver Clay is now .999 Pure Silver. In this form it can be sawn, filed, soldered, enameled and drilled. Use conventional jewelry tools and materials. Work can be burnished, tumbled or use any other conventional means of polishing and finishing.