

Working with Gold PMC – Lecture notes

by

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I. Basic Info

A. What is Gold PMC?

1. After firing it is truly 24K Gold.
2. Shrinkage is about 30%.
3. It is the same as Silver PMC but Gold is used to make it instead.
4. The cost of Gold PMC is dependent on the market value of Gold.

B. Why use Gold PMC?

1. To add value to your work.
2. To add the beauty of gold to your designs.
3. To do something new, different and very exciting.
4. Small amounts of Gold PMC such as _ gram cost as little as \$7.50.

C. How do you work with Gold PMC?

1. The workability is similar to Silver PMC.
2. The same techniques are used as with Silver PMC.
3. Gold PMC clay can be made into gold elements or gold paste. This will be discussed in more detail later.
4. It is fired differently than Silver PMC.

D. How do you fire Gold PMC Clay?

1. Gold PMC Clay is fired at 1830F for 2 hours in a kiln.
2. Gold PMC Paste is fired on unfired Silver PMC with a butane torch at orange for 2 minutes.

II. Use of Gold Elements

A. Fabrication

1. Sculpting
 - a. Slabs, balls and ropes can be used to form elements of pieces.
 - b. Work can be all wet or dried and combine after drying.
2. Molds
 - a. Molds are easy to use and make.
 - b. They allow quick duplication of designs.
 - c. They are the best used with your own designs.
 - d. Be careful about copyrights.
3. Cutters
 - a. Kemper Cutters are easy to use to get uniform geometric shapes.
4. Stamps
 - a. Rubber stamps must be oiled or the clay will stick in them.
5. Stones can be imbedded into Gold PMC just the same as in Silver PMC.

B. Firing – Gold PMC Clay is fired at 1830F for 2 hours in a kiln.

C. Imbedding or attaching Gold elements to Silver PMC. Gold elements are embedded in the silver clay by pushing them in so they are flush with the surface of the silver clay. After firing they are locked in place by the shrinkage of the silver clay.

1. Gold elements

2. Silver connectors for linking pieces together are formed and inserted into the silver clay before firing. They can not be fired in the Gold clay at 1830F because they will melt.
 3. Bails are formed from about 18 gauge fine silver wire, dipped in silver paste and inserted in small holes drilled in the silver clay piece.
- D. **Firing again** – Fire the Silver PMC piece with the gold elements in it for the temperature and time the Silver PMC product used and technique requires.
- E. **Finishing** –
1. Tumbling creates strength and shine
 2. Burnish
 3. Oxidize selected areas with Silver Black
 4. Polishing gives a wonderful gold color

III. **Gold Paste**

A. **How to make Gold PMC Paste**

1. Use at least 1 gram of Gold PMC
2. Mix it with a few drops of distilled water in an air tight container using a pallet knife.
3. It should have the same consistence as Silver Paste, about like chocolate syrup or a little thinner.

B. **How to apply Gold Paste to the unfired Silver PMC piece**

1. The unfired Silver PMC piece should be totally dry.
2. Brush on a layer of Gold paste and dry this completely.
3. Repeat this two more times.
4. Be sure the piece is totally dry before firing.

C. **How to fire Gold PMC Paste**

1. Put your piece on a soldering pad.
2. Be sure to use protective eye gear. Rays from this cause cataracts.
3. Light the butane torch.
4. Heat the piece to orange.
5. Hold for 2 minutes.
6. Allow the piece to cool and it is totally fired.

D. **How to finish pieces with Gold PMC Paste on them**

1. Tumbling creates strength and shine
2. Burnish
3. Oxidize selected areas with Silver Black
4. Polishing gives a wonderful gold color

E. **What works best with GOLD PMC Paste?**

1. Even thickness pieces work the best.
2. They should be 20 Grams or less.
3. They should not have thin areas.
4. No organic armatures can be used

F. **What is Aura 22?**

1. Aura 22 is a new gold paste product.
2. It is used the same as other Gold paste.
3. It can be kiln fired at the silver temperature.
4. It can be fired with a torch too.
5. You can purchase it from PMC Connection.

In my video, ***PMC Gold***, you will learn how to use Gold PMC Clay. Forming gold elements by sculpting, stamping, molds, cutters, textures and the addition of cast in place stones is demonstrated. Firing and the use of these elements is taught. Making gold paste, its application and how to fire it, as well as, making and using molds is also covered. A limited number are for sale here at the conference.