



MITSUBISHI MATERIALS

Using PMC Gold

This 22 karat material is an alloy of 91.7% gold and 8.3% silver, refined into microscopic particles that fuse at relatively low temperatures. This unique combination provides rich yellow color and unusual strength. PMC Gold can be used alone, or as a decorative element on silver items. Consider these possibilities:

- Co-fire silver and gold PMC side by side
- Layer silver and gold to make precious metal woodgrain patterns
- Solder or fuse PMC Gold elements to fabricated and cast items

As with silver PMC, you can rehydrate with clean water, and make your own slip from sanding dust. Because Gold PMC has the working properties of PMC3, we suggest that newcomers test ideas in that material. Further instructions and tips available at www.PMCGuild.com.

Working with PMC Gold



Artists who have used other versions of PMC before will find that the gold is slightly denser. This will make it feel a little stiffer, and explains why it will take longer for water to penetrate.

Before using, knead the material while it is still in its plastic wrapping to loosen

the structure. Add small amounts of water to compensate for drying during working, but be conservative. Seal unused material to retain moisture. Use wood, plastic, rubber, and steel tools. Finishing is done just like any precious metal, including abrasives, tumbling, hand burnishing, and polishing compounds. PMC Gold can be soldered with any gold solder below 22 karat.

Firing PMC Gold

As with other metal clays, allow the work to dry, preferably overnight. Drying may be hastened with moderate heat. The recommended firing apparatus is a programmable electric kiln, which provides dependable control.

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| Schedule A: | 900° C (1650° F) | at least 10 minutes |
| Schedule B: | 850° C (1560° F) | at least 30 minutes |
| Schedule C: | 750° C (1380° F) | at least 60 minutes |
| Schedule D: | 700° C (1290° F) | at least 90 minutes |

Torch Firing

It is also possible to fire PMC Gold with any jewelers torch. Dry completely, set work on a soldering pad, and bring to a red glow. Hold at this temperature for at least two minutes.