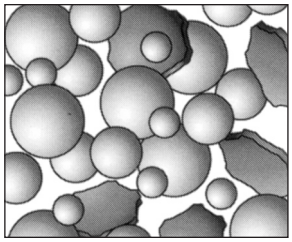
The ABC'S of PMC

Original PMC



- Approx. 74% fine silver, 26% water & binder.
- Shrinks 28%
- Fires @ 1650˚F (900˚ C) for 2 hours.

Advantages

1. This version has the best working properties.
2. It carves & engraves beautifully.
3. Shrinkage enhances details.
4. Slightly porous, so objects are lighter.
5. Most economical of all types of PMC.
6. Very tough when dry, so it's easy to handle and transport.
7. You can use Original PMC and PMC+/PMC3 in the same mold to achieve different sized articles. This can be useful for making a pendant and matching earrings, for example.
8. You can use a base layer of original PMC, and adhere a top layer of PMC+/PMC3. When fired the base layer will shrink more, giving a dome to the top layer.

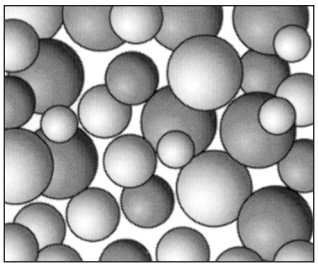
Disadvantages

1. Slightly porous so strength is reduced.
2. Shrinks 28%

Available as

- Clay

PMC+



- Approx. 90% fine silver, 10% water & binder.
- Shrinks about 12%
- Fires @ 1650˚ F (900˚ C) for 2 hrs.
  @ 1650˚ F (900˚ C) for 10 min.
  @ 1560˚ F (850˚ C) for 20 min.
  @ 1470˚ F (800˚ C) for 30 min.

Advantages

1. Lower shrinkage.
2. 1470˚ F firing temperature allows inclusion of glass pieces—glass will melt, flow, and fuse to the metal.
3. Less binder & more uniformly shaped particles result in a denser, therefore, stronger, object
4. The Sheet allows folding, draping, weaving, and braiding.
5. Short firing times are great for immediate gratification and practical for workshops.

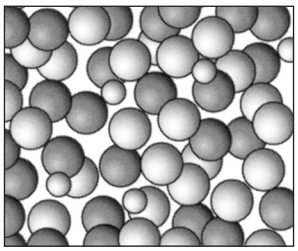
Disadvantages

1. Slightly more expensive than Original PMC.
2. Working time is shorter—tends to dry out faster.
3. Tends to adhere to your hands.

Available as

- Clay
- Paste
- Syringe
- Sheet

PMC3



- Approx. 90% fine silver, 10% water & binder.
- Shrinks about 12%
- Fires @ 1650° F (900° C) for 2 hrs.
  @ 1290° F (700° C) for 10 min.
  @ 1200° F (650° C) for 20 min.
  @ 1110° F (600° C) for 30 min.

Advantages

1. Smaller, uniformly sized particles allow full sintering at lower temperatures (still as dense and strong as PMC+).
2. Firing at 1110° F allows inclusion of some natural gemstones and glass.
3. Syringe expands design and construction options.
4. Use paste to fill joints, create bezels and decorate.
5. Sterling silver elements can be fired in, making soldering unnecessary in some cases. When embedding sterling, use the lowest firing schedule.
6. Can be torch-fired.
7. Rapid firing for immediate gratification.

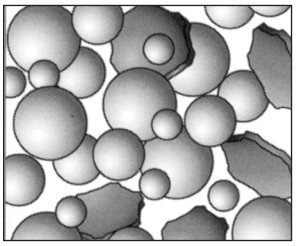
Disadvantages

1. Most expensive kind of PMC.
2. Tends to lose moisture content quickly.
3. Will get sticky—lubricate your hands.

Available as

- Clay
- Paste
- Syringe
- Sheet

Gold PMC



- Approx. 85% pure gold, 15% water & binder.
- Shrinks about 28%
- Fires @ 1830° F (1000° C) for 2 hours.

Advantages

1. Same lovely working properties as Original Silver PMC
2. Gorgeous 24K color.
3. Detail shrinks down beautifully
4. Can be diluted with water to form a paste that can be painted onto fired PMC and torch fired.
5. Carves extremely well.

Disadvantages

1. Cost. Gold prices vary with the market, so you should call to get the current price.

Available as

- Clay

Compiled by Barbara Simon