

# Reusche & Co.

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## REUSCHE'S ROMAN GOLD 24 karat 38% by Weight

There are two kinds of Roman Gold, fluxed and unfluxed.

The flux in gold or china paints makes it adhere to the china. Therefore, if you are applying the gold to unpainted china you must use fluxed gold. If you are applying to the painted surface use unfluxed. It will not hurt to apply fluxed gold over painted china. It will, however, polish up slightly duller than unfluxed gold applied over the same area.

A good way to remember which is applied to what is that it is just the opposite, fluxed on unpainted surfaces and unfluxed on painted surfaces. (Unfluxed and unpainted china do not go together)

The gold is sold by the box (pats) or jars. The jars are sold by 1/8, 1/4, 1/2 and 1 Troy ounce. Box gold is the paste gold applied to a slab of glass. This is the most convenient way to use gold, but not the most economical way if you are planning on using a lot of gold.

Gold is easy to contaminate. Once it is contaminated the gold will not perform as intended. Keeping in mind it is best to take as much as you are going to use for your project out of the jar or off the slab and place it on a clean tile. If you need to thin the gold we recommend that you use Reusche's Gold Facilitator #1569. Once the gold has been thinned DO NOT put it back into the jar as it could easily contaminate the rest of the jar. Put into another screw top container. Or if you purchased a box of gold in the past you can use this box to keep your working gold in.

As for the brushes, do not use ones that you have previously used with china paints. It is best to start with a brand new brush and keep the brush for gold only. Clean your brush with Reusche's Gold Facilitator #1569. We would recommend a liner or scroller for scrolling and fine detail work. For bigger areas you may want to use a Square Shader. A cut liner will work for banding.

Clean the surface with a soft rag and alcohol before you apply the gold.

Gold is to be fired at cone 017 (1443° F) or cone 018 (1386° F). Ventilation is very important to superb high quality firing. The kiln should remain vented until all fuming has ceased. (Approximately 800° F)

Once the gold is fired it has to be polished. You can use a fiberglass burnishing brush or burnishing sand. Gently rub the surface of the Roman Gold in a circular motion. Continue the gentle buffing until the decorated area is as shiny as you want it. It is the friction that polishes the gold so you do not have to use a lot of pressure.

**TROUBLE SHOOTING**

<b>PROBLEM</b>	<b>CAUSE</b>	<b>SOLUTION</b>
Poor adhesion (Rubs off)	Thinned to much, insufficient fire, fumes, poor ventilation, china not cleaned of oils.	Reapply the gold, fire to the correct temperature, vent your kiln, clean china with alcohol before application
Fade or burn out	Overfired	Reapply the gold and fire to a lower temperature.
Not brilliant enough	Too thin application	Reapply
Color changes red to yellow	Too much thinner, over fired	Use less Gold Facilitator, let gold dry out and reapply.