

# ART CLAY GOLD 22K / CLAY TYPE

Thank you for purchasing ART CLAY GOLD/K22. As this product has different characteristics from other Art Clay Series products, please read the instructions and directions carefully before use.

## [CHARACTERISTICS]

ART CLAY GOLD/K22 consists of 22k gold powder, binding agent and water. The binding agent is produced from harmless pulp fiber. During firing, the 22k gold powder solidifies. The binding agent consists of carbon, hydrogen and oxygen, which when fired together results in the release of harmless carbon dioxide and steam. **INGREDIENTS:** 95% of indicated weight is K22 (Gold 91.7%, Silver 8.3 %). After firing: K22 100% **FIRING TEMPERATURE / HOLDING TIME:** 990 °C for 60 min. **MELTING POINT:** 1055 °C.

## [INSTRUCTIONS]

This product is water-based. If the clay becomes stiff during shaping, add a few drops of water and knead it well. You can prevent the clay from sticking to your hands by rubbing them with a few drops of olive oil first. Do not use rubber bands to wrap the clay in a plastic wrap (They may discolor the clay). Some kilns show a different temperature from the actual one. It is known that gold will melt at 1063 °C. It is recommended that your firing temperature does not exceed 1000 °C. During firing, oxygen can be consumed and smoke and gas emission may result. Always be sure to ventilate the workroom well. Take out only the necessary amount of clay. Place the rest of the clay in a self-seal bag and keep it in an airtight container to prevent it from drying up. Recommended firing- use a programmable kiln which can hold a consistent temperature and holding time.

## [DIRECTIONS]

### Preparation



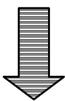
### Molding



### Drying



### Firing



### Finishing

Take out only the necessary amount of clay, wrap it in plastic wrap and knead it well. If it is stiff at first, warm it in your palm a little while. Place the unused portion of clay in plastic food wrap and keep it in an air-tight container at room temperature to prevent from drying up.

To join Art Clay Gold together or to mend a jointed area, use Art Clay Gold in paste form, which can be made as follows: Put Art Clay Gold on a small plate. Add a few drops of water and blend it evenly with something like a spatula.

Shape as you wish using your fingers, a mold, etc. If Art Clay Gold becomes stiff to handle, place it in a plastic wrap, add a few drops of water, and knead it until it becomes soft.

Remember that the finished piece shrinks about 15%, so size your piece accordingly.

Dry the piece completely at room temperature (more than 24 hours) or by a hair dryer, etc.

Hair dryer: At least 15 min. with 1200w hair dryer. Place the dryer within 15cm/6 inches from the piece.

Oven: At least 10 minutes at 180°C

Cooking plate: At least 10 min. at 150°C~180°C

Electric kiln: At least 10 min. at 150°C

Natural dry: At least 24 hours at room temperature

\*Do not apply the heat over 250°C, otherwise, the binder burns before firing and the shape of the piece can change.

Drying time varies by volume of the piece.

< How to check if the piece is completely dried >

Warm the dried piece with a hair dryer for five minutes, then place on a piece of flat stainless steel, glass or plastic plate. After 10~20 seconds remove the piece. If there is no cloud of condensation left behind, it is completely dried.

Place the piece in the kiln. (Make sure no two pieces are touching.)

Firing Temperature and holding time.

Temperature	Holding time
990°C / 1814°F	60 min.

You may take out the piece when the kiln temperature falls below 600°C with caution.

The surface of the fired piece will be matte due to firing, but luster can be obtained by polishing. ( e.g. stainless brush, burnisher, sandpaper, etc.)

\*Do not bend the fired piece too much or it will break.

\*Polish only after the piece is cool.

## [PRECAUTIONS]

Keep the clay indoors out of direct sunlight. Do NOT keep in a refrigerator. Use it soon after unsealing. When drying and baking, take care not to get burned or start a fire. Ventilate your workroom well during firing. Keep this product out of the reach of children. If you get any of this product in your eyes or mouth, flush immediately with plenty of water and call your physician.