



Goldie Roman Bronze™ is bronze of a beautiful golden bronze color, resembling the colors used in times of the Roman Empire. The clay is a bit more grainy, thanks to larger than usual bronze particles. After firing and polishing with a 3M wheel or sandpaper, you can notice tiny bronze speckles that reflect the light and create an interesting sparkling effect.

Goldie Roman Bronze™ is an environmentally friendly product. It contains approximately 89% copper and 11% tin. The binders are organic and non toxic. Goldie Roman Bronze™ shrinks by about 10%-12% on firing, depending on the shape and the size of the piece. Dried clay can be ground up to a powder and reconstituted. Goldie Roman Bronze™ is simple and economical to use.

TO MIX

- Put the all amount of powder into a jar or bowl.
- Add about a dozen drops of water or spray in a little water and mix well with a knife or spoon, adding more water as required, until you get a clay of a plasticine like consistency.
- Roll the lump clay out thinly and fold over. Roll again, rolling away from the fold. Repeat this action several times. This is very important to ensure that all the air is removed from the clay and to get a smooth consistency before using. Insert into a plastic bag or container and wait for 30 minutes.

TO USE

- To join elements in Goldie Roman Bronze™ clay mix a little powder with water to make a paste. Elements can also be joined with the water only method in the same way as silver clay.
- Pieces can be dried naturally or by using heat, e.g. on a hotplate or in a dehydrator. Dry at 90°C (195°F) or lower. Higher temperatures may cause cracking, and if steam appears it might create bubbles in the material.
- Remember to always clean your tools well between using different types of metal clay to avoid cross contamination. The above tip does not apply to Goldie Metal™ line products, because they can be mixed with Mokume Gane or other techniques. See (www.goldieclay.com) FAQ for detailed description.

TO FIRE

- Ensure the clay is completely dry before firing. Any moisture will boil and ruin the piece.
- Lay the pieces in a stainless steel firing container on a layer of activated coconut shell carbon with a minimum depth 1cm (1/2") under the pieces. Make sure the pieces are at least 1cm (1/2") apart. Place the open container into a cold kiln and fire at full ramp to 350°C (670°F) and hold for 30 minutes.
- Carefully remove the container from the kiln and place on a heatproof surface. Fill the container with a layer of activated coconut shell carbon with a minimum depth 1cm (1/2") over the pieces, and place back into the kiln.

- Full ramp to 845°C (1560°F) and hold for 1h30min.
- Fired pieces can be removed from the kiln hot or cold.

SAFETY PRECAUTIONS

Do not breathe in the powder or ingest Goldie Roman Bronze™. Always use the appropriate safety equipment when working with a hot kiln and fire in a well ventilated area. Goldie Roman Bronze™ is non toxic and does not contain any harmful chemicals. There have been no reports of any allergic reaction to Goldie Roman Bronze™, however people with allergies should be aware of the possibility of a reaction and use with care.

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www.goldieclay.com