



HARD  
GOLDIE  
BRONZE™



MID  
GOLDIE  
BRONZE™



SOFT  
GOLDIE  
BRONZE™

Goldie Bronze™ is bronze of a beautiful goldencolor, which is very hard after firing. It comes in three types of powder – SOFT, MID and HARD. SOFT is very soft and is ideal for working with stamps and textures, and to capture fine details. HARD creates a somewhat stiffer clay to work with, and yields the maximum strength – it is ideal for bangles, ring bands, and decorative objects. If you are planning to create a piece which involves fine details and you desire the maximum strength, it is recommended to use MID version ( 50% SOFT and 50% HARD).

Goldie Bronze™ is an environmentally friendly product. It contains approximately 90% copper and 10% tin. The binders are organic and non toxic.

Goldie Bronze™ shrinks by about 8%-11% on firing, depending on the shape and the size of the piece. Dried clay can be ground up to a powder and reconstituted. Goldie 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 and wait for 30 minutes.

#### TO USE

- To join elements in Goldie 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 the creation of steam bubbles.
- Remember to always clean your tools well between using different types of metal clay to avoid cross contamination. The above comment does not apply to metals from the Goldie Metal™ line, because you can mix them together with Mokume Gane, or other techniques. See ( [www.goldieclay.com](http://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 820°C (1510°F) and hold

for 40 minutes. In the case of large elements, the time should be properly extended to 1 hour.

- Fired pieces can be removed from the kiln hot or cold.

#### SAFETY PRECAUTIONS

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

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