



GOLDIE
LEMON
BRASS™

Goldie Lemon Brass™ has a lovely yellowish color. Goldie Lemon Brass™ is environmentally friendly. It contains approximately 90% brass, and 10% bronze to stabilize the burning process. The binders are organic and non toxic.

Goldie Lemon Brass™ shrinks by about 9%-15% 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 easy and economical to use.

TO MIX

- Put the all amount of powder into a jar or bowl.
- Add about numerous 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. The water does not need to be distilled - tap water is fine.
- 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 and repair seams in Goldie Lemon Brass™ 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 200°F (94°C) or lower. Higher temperatures may cause cracking, and the creation of steam bubbles. Larger pieces can be dried in a kitchen oven as long as 200°F is not exceeded.

Remember to always clean your tools well between different brands and types of metal clays to avoid cross contamination. This does NOT apply to metals from the Goldie Metal™ line because you can mix them together for Mokume Gane and other techniques.

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 1/2" (1cm) under the pieces. Do not cover with carbon for this step. Make sure the pieces are at least 1/2" (1cm) apart. Place the open container into a cold kiln and fire at full ramp to 580°C(1076°F) and hold for 30 minutes for pieces up to 100g. Clay change color to **dark brown**.
- 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 5 cm (2in) over the pieces**, in order to reduce evaporation of tin, **cover the container with a lid**, and place back into the kiln. Do a full ramp to 870°C(1598°F) and hold for 2 hours.
- Fired pieces can be removed from the kiln hot or cold.
- After removing the cover, appears white-yellow precipitate from zinc oxide. This is normal and does not cause changes in the properties of coal.

SAFETY PRECAUTIONS

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