

Art Clay Silver - Clay Type

3/11/2005
Art Clay World, USA

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ART CLAY SILVER consists of pure silver powder, a binding agent and water. The binding agent is produced from harmless pulp fiber. During firing, the pure silver powder solidifies. The binding agent consists of carbon, hydrogen and oxygen resulting in the release of harmless carbon dioxide and steam during firing.

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 silver 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 plastic wrap (They may discolor the clay). It is recommended that your kiln does not exceed 900°C/1652°F. Oxygen can be consumed or smoke and gas emission may result during firing. Always be sure to ventilate the workroom.

[Directions]

| Preparation | <ul style="list-style-type: none">Take out only the necessary amount of clay and knead it well. Place the unused portion of clay in a re-sealable bag to prevent it from drying. | | | | | | | | | | |
|------------------------|--|-------------------|--|------------------------|-----------------------------------|-------------|----------------------------------|---------------------|----------------------------------|----------------------|-------------------------------|
| Molding | <ul style="list-style-type: none">Because the piece will shrink 8-10% during firing, make the mold larger than the finished size.It is necessary to dry the clay completely. | | | | | | | | | | |
| Drying | <p>Condition for Drying</p> <table border="1"><tr><td>Hair Dryer</td><td>Approximately 10-15 minutes with 1200w hair dryer. Place the dryer within 6 inches from the piece.</td></tr><tr><td>Food Dehydrator</td><td>Approximately 10 minutes at 145°F</td></tr><tr><td>Oven</td><td>Approximately 7 minutes at 330°F</td></tr><tr><td>Hot Plate</td><td>Approximately 7 minutes at 330°F</td></tr><tr><td>Electric Kiln</td><td>Approximately 7 minutes 300°F</td></tr></table> <p>Warning: Do not apply the heat over 450°F for the binder will begin to burn away.</p> <ul style="list-style-type: none">How to Check If the Piece is Completely Dried Place the piece on a stainless steel, glass or plastic plate and after 10~20 seconds pick up the piece. If there is no condensation on the plate, it is dry. | Hair Dryer | Approximately 10-15 minutes with 1200w hair dryer. Place the dryer within 6 inches from the piece. | Food Dehydrator | Approximately 10 minutes at 145°F | Oven | Approximately 7 minutes at 330°F | Hot Plate | Approximately 7 minutes at 330°F | Electric Kiln | Approximately 7 minutes 300°F |
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| Firing | <table border="1"><thead><tr><th></th><th>1</th><th>2</th></tr></thead><tbody><tr><td>Temperature</td><td>1472°F</td><td>1600°F</td></tr><tr><td>Holding Time</td><td>30 min.</td><td>10 min.</td></tr></tbody></table> <p>Place the piece in the kiln. (If you are firing more than two pieces, make sure the pieces are not touching each other) Raise the kiln's temperature to 1472°F and keep it there for 30 minutes, or to 1600°F, keep it there for 10 minutes. Then switch off the kiln. When the temperature falls below 600°C/1112°F, take out the piece from the kiln and cool it to room temperature.</p> | | 1 | 2 | Temperature | 1472°F | 1600°F | Holding Time | 30 min. | 10 min. | |
| | 1 | 2 | | | | | | | | | |
| Temperature | 1472°F | 1600°F | | | | | | | | | |
| Holding Time | 30 min. | 10 min. | | | | | | | | | |
| Finishing | <ul style="list-style-type: none">The surface of the fired piece will be white and matte due to crystallization of silver. But luster can be obtained by polishing. (e.g. stainless steel brush, burnisher, buff polishing, file, sandpaper... etc.) | | | | | | | | | | |

Completing

- The completed piece is pure silver (99.9%).

[Precautions]

- Keep the clay Indoors out of direct sunlight.
- Use it as soon as possible after opening.
- 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.

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