

## ART CLAY GOLD PASTE

Thank you for purchasing ART CLAY GOLD PASTE. Read the instructions and directions carefully before use.

### [CONTENTS]

Art Clay Gold Paste: 1.5 gram / bottle

Medium\* bottle: 5 ml.

\*use to dilute Art Clay Gold Paste for a lighter gold color on fired Art Clay Silver surface, ceramic, porcelain and glass.

### [CHARACTERISTICS]

● Art Clay Gold Paste is in a viscous liquid form, so that you can texture to the surface and draw on a surface of Art Clay Silver (fired piece), ceramic, porcelain and/or glass. ● Ingredients: 77.5% of indicated weight is 24K gold, and it becomes 22K gold after firing. ● To dilute the paste, take out the necessary amount and place it in a separate container. Then, add necessary amount of water or medium depending on your desired finished gold color. ● Recommended ratio for diluting the Gold Paste with the medium: Gold Paste (3) : Medium (1) ● If you need to build the Gold layers more than 0.5mm in thickness, fire the piece first, and then build another layer on top of the fired gold area. Repeat until reaching your desired thickness. ● This product is water-based and can eventually dry up. Always keep the container tightly capped. If it dries up, add an appropriate amount of water to recover its original state.

### [APPLICATION]

#### Preparation

- Some gold settling may occur at bottom of the jar. Stir the paste well with a skewer or metal spatula before use.
- Clean the surface of the porcelain, glass or ceramic with alcohol, or soap and water to remove dust or oil which may interfere with the Gold Paste sticking to the surface.
- Prepare a paintbrush specifically for use of the Gold Paint.

#### Overlaying

- You can apply the undiluted paste, or dilute the Gold Paste with water or medium to the consistency needed in order to paint the specific surface. If you need to paint on a ceramic, porcelain or glass surface, it is recommended to dilute the Gold Paste with the medium.
  - \*To apply the Gold Paste on a fired Art Clay Silver surface, use undiluted paste and apply the Gold Paste on a matte surface. If you need to add Gold Paste on a polished silver surface, fire the silver piece in a kiln for 30 minutes at 700 °C / 1292°F to make a matte surface first, and then apply.
  - \*Thickness of the application needs to be less than 0.5mm thick per layer. If you use undiluted paste on a glass or thick glazed porcelain surface, the painted area may sink due to the gold weight.

#### Drying

- The applied paste must be completely dried before firing. It may be dried in the following ways:
  - Applying undiluted
    - Hair dryer: At least 5 minutes with 1200w hair dryer. Place the dryer within 10cm / 3 inches from the piece.
    - Air dry: At least 15 minutes
  - Applying the diluted paste
    - Hair dryer\*: At least 30 minutes with 1200w hair dryer. Place the dryer within 10cm / 3 inches from the piece
    - \*Drying diluted paint must be dried by hot air or heat.

#### Firing

##### A) Application on fired Art Clay Silver surface.

##### <Kiln firing>

1) Raise kiln temperature to 500°C/932°F 2) Place the piece in the kiln and fire to 800°C/1472°F 3) After reaching the temperature, hold for 10minutes to complete the firing. Turn the kiln off and allow to cool.

##### <Stove top firing>

1) Place the stainless steel net on the burners of a gas stove. Make sure the stainless net is placed at center of the burners. Turn on the cooking stove. Identify the most red-hot spots on the stainless steel net. 2) Turn off the cooking stove. Place the piece on the spot where you identified the most red-hot part using a pair of tweezers. 3) Turn on the cooking stove again and fire the piece for five minutes. Turn off the stove and do not touch for at least 20 minutes.

\*Maximum Dimensions: 5.0cm (L) × 3.0cm (W) × 2.0cm (H)

##### B) Application on a porcelain or ceramic surface.

##### <Kiln firing>

1) Place the piece in a cold kiln and fire to 800°C/1472 °F. 2) Turn off your kiln when the temperature reaches 800°C/1472°F. There is no hold time. 3) You may remove the piece when the temperature reaches 100 °C /212°F, or cool naturally to room temperature.

##### C) Application on a glass\* surface.

##### <Kiln firing>

1) Place the piece in a cold kiln and fire to 800°C /1472°F. 2) When the temperature reaches 800 °C /1472°F, hold for 5 minutes. 4) Open the kiln door and cool down (crash-cool) to 600 °C /1112 °F, and close the kiln door again\*. 5) Allow the kiln to reach room temperature before removing.

\*The glass used with the Gold Paste is COE90 and if you use glass with a different COE, please test fire first.

- It is important that your kiln's pyrometer is functioning properly.
- Gas torch firing is not recommended for this product.
- For stove top firing, please use gas-operated stove, which is able to generate more than 2.9kw (2900 calories), and recommended stainless steel net.

#### Finishing

The surface of the fired area where Gold Paint was applied will be matte in color due to crystallization, but a luster can be obtained by polishing. ( i.e. Metal or agate burnisher, Wet and dry sandpaper, etc.). Do not polish gold overlaid area on the glazed surface too hard, as it may chip off with the glazed surface. Polishing the area with light gliding strokes is enough to bring out the shine. If the Gold area chips off during polishing, it is possible to attach it with Art Clay Overlay Silver Paste\*. \*Requires second firing to attach.



- Ventilate your workroom well during firing.
- When drying and baking, take care not to get burned or start a fire.
- 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.
- Avoid contact with your skin. If skin irritation or itching occurs, wash with water and consult your doctor immediately.
- Do not place a ceramic or porcelain piece that has the Overlay Silver Paste applied into a microwave oven.
- Keep this product indoors out of direct sunlight.
- Do NOT keep in a refrigerator.
- Use it soon after opening.

#### •Manufacturer

Aida chemical industries Co., LTD.  
TEL.042-366-8661/FAX.042-366-5861  
<http://www.artclay.co.jp/>

**ART CLAY GOLD PASTE ~ A-109**  
**ADDITIONAL GUIDELINES FOR SUCCESS**

The following information is in addition to the instruction sheet that is enclosed within the Art Clay Gold Paste packaging. If during use, questions arise, contact your local distributor or Art Clay World, USA directly via phone toll-free: 866-381-0100 (USA) or e-mail: [info@artclayworld.com](mailto:info@artclayworld.com).

<b>Art Clay Gold Paste on Glass, Porcelain, or Ceramics</b>	<b>Art Clay Gold Paste on Pre-Fired Art Clay Silver</b>
<p>Art Clay Gold Paste was designed to overlay over Glass, Porcelain and glazed Ceramics. The glass used in manufacturer testing was COE90 ; for use on glass with a different COE, test fire first.</p>	<p>Art Clay Gold Paste may only be used on <b>Fired</b> silver. If applied to unfired clay, it will flake off due to shrinkage of the silver and burn-off of the binder.</p>
<p><b>Preparation:</b></p> <ul style="list-style-type: none"> <li>Ø Clean thoroughly with alcohol that does not contain additives. While some soaps (without additives) may also be used, plain alcohol is preferred. Allow piece to dry before proceeding.</li> </ul>	<p><b>Preparation:</b></p> <ul style="list-style-type: none"> <li>Ø Area must have a matte surface. If polished, re-fire the silver piece in a kiln for 5 minutes at 1436°F (780 °C), if the piece is made only with Art Clay Silver, or torch fire until the piece returns to the matte state.</li> <li>Ø If the silver piece has other materials such as glass or porcelain, re-fire it for 30 minutes at 1292°F (700 °C). Allow to cool.</li> <li>Ø Surface must be clean. If piece has been handled after firing, clean with alcohol to remove oils or dirt which may prevent adhesion of gold to surface.</li> </ul>
<p><b>Application:</b></p> <ul style="list-style-type: none"> <li>Ø Gold Paste may be used either diluted or full strength depending on color intensity desired. For lighter gold, it is recommended to dilute with the medium in a ratio of 3 parts Gold Paste to 1 part medium. Use a separate container and stir completely to form a smooth mixture.</li> <li>Ø The use of the medium will also enhance application for smoother drawing and longer strokes. Gold gradation may also be created with the medium.</li> <li>Ø Thickness of application should be less than 0.5mm or half the thickness of a standard paperclip. If additional thickness is required for design or darker gold color, fire first, then add a second layer and re-fire. Applying a coating too thick on the first layer may cause areas to come off with a layer of the base material.</li> </ul>	<p><b>Application:</b></p> <ul style="list-style-type: none"> <li>Ø Apply Gold Paste in an undiluted state for maximum gold color on Art Clay Silver. For lighter gold color, thin with water, stirring well to form a smooth mixture.</li> <li>Ø Thickness of application should be less than 0.5mm or half the thickness of a standard paperclip.</li> <li>Ø To overlay additional Gold Paste onto the first fired layer for more color or texture, paint surface again with undiluted paste, dry completely and fire.</li> <li>Ø Too thick of an application will result in chipping and flaking. It is better to re-apply a second coat and re-fire.</li> </ul>
<p><b>Drying:</b></p> <ul style="list-style-type: none"> <li>Ø <b>Undiluted Paste or Paste diluted with water only</b>, may be dried with a dehydrator or hair dryer for at least 5 minutes at 1200 watts ~ held 3 inches away from surface.</li> <li>Ø <b>Paste diluted with the medium</b> will take significantly longer to dry. Recommended time is at least 30 minutes or more with a dehydrator or 1200 watt hair dryer. Paste that has been diluted with the medium must be dried with heat.</li> </ul>	
<p><b>Firing:</b></p> <ul style="list-style-type: none"> <li>Ø <b>Glass:</b> Place glass in a cold kiln and fire to 1472°F (800°C) with a hold time of 5 minutes. Open kiln door and allow to cool (crash cool) to 1112°F (600°C) and close door. Allow to cool to room temperature before removing.</li> <li>Ø <b>Porcelain and Ceramic</b> surfaces should be placed in a cold kiln. Fire to 1472°F (800°C) and turn off kiln. There is no hold time. You may open kiln when temperature reaches 212°F (100°C) or below. Air cool to room temperature.</li> <li>Ø <b>Glass, Porcelain &amp; Ceramic pieces should be Kiln Fired Only. Gas Stove and Torch Firing are Not Recommended.</b></li> </ul>	<p><b>Firing:</b></p> <ul style="list-style-type: none"> <li>Ø The color of the Gold Paste will lighten when fired onto Art Clay Silver as the gold and silver together becomes an alloy. The longer and hotter they are fired together, the lighter the gold result. Strict adherence to firing instructions is critical. If Gold Paste on Art Clay Silver is placed into a cold kiln and allowed to fire, the gold will be very light.</li> <li>Ø Place the piece into the kiln at 932°F (500°C) and allow the piece to heat to 1472°F (800°C). Hold for 5 - 7 minutes. Allow kiln to cool to room temperature before opening door!</li> <li>Ø <b>Gas Stove Firing: See Instruction Sheet.</b></li> <li>Ø <b>Torch Firing is Not Recommended.</b></li> </ul>
<p><b>Finishing:</b></p> <ul style="list-style-type: none"> <li>Ø After firing, the surface will be matte in color. Obtain a gold luster by polishing with an agate burnisher, metal burnisher or wet/dry sandpaper.</li> <li>Ø Use light gliding strokes to bring out the shine.</li> <li>Ø Do not burnish gold too hard on glazed surfaces, as gold may chip off along with the glazed surface.</li> </ul>	<p><b>Finishing:</b></p> <ul style="list-style-type: none"> <li>Ø After firing, the surface will be matte in color. Obtain a gold luster by polishing with an agate burnisher, metal burnisher or wet/dry sandpaper.</li> <li>Ø Use light gliding strokes to bring out the shine.</li> </ul>
<p><b>Clean Up of Tools:</b> Keep a separate brush for your Art Clay Gold Paste. To clean a brush that has been used with only the Paste or Paste with water added, rinse the brush with water.            For brushes that have been used with the Gold Paste and medium, rinse with a few drops of medium or alcohol in a small container.</p>	

**ART CLAY GOLD PASTE ~ A-109**  
**ADDITIONAL GUIDELINES FOR SUCCESS**

The following information is in addition to the instruction sheet that is enclosed within the Art Clay Gold Paste packaging. If during use, questions arise, contact your local distributor or Art Clay World, USA directly via phone toll-free: 866-381-0100 (USA) or e-mail: [info@artclayworld.com](mailto:info@artclayworld.com).

<b>Art Clay Gold Paste on Glass, Porcelain, or Ceramics</b>	<b>Art Clay Gold Paste on Pre-Fired Art Clay Silver</b>
<p>Art Clay Gold Paste was designed to overlay over Glass, Porcelain and glazed Ceramics. The glass used in manufacturer testing was COE90 ; for use on glass with a different COE, test fire first.</p>	<p>Art Clay Gold Paste may only be used on <b>Fired</b> silver. If applied to unfired clay, it will flake off due to shrinkage of the silver and burn-off of the binder.</p>
<p><b>Preparation:</b></p> <ul style="list-style-type: none"> <li>Ø Clean thoroughly with alcohol that does not contain additives. While some soaps (without additives) may also be used, plain alcohol is preferred. Allow piece to dry before proceeding.</li> </ul>	<p><b>Preparation:</b></p> <ul style="list-style-type: none"> <li>Ø Area must have a matte surface. If polished, re-fire the silver piece in a kiln for 5 minutes at 1436°F (780 °C), if the piece is made only with Art Clay Silver, or torch fire until the piece returns to the matte state.</li> <li>Ø If the silver piece has other materials such as glass or porcelain, re-fire it for 30 minutes at 1292°F (700 °C). Allow to cool.</li> <li>Ø Surface must be clean. If piece has been handled after firing, clean with alcohol to remove oils or dirt which may prevent adhesion of gold to surface.</li> </ul>
<p><b>Application:</b></p> <ul style="list-style-type: none"> <li>Ø Gold Paste may be used either diluted or full strength depending on color intensity desired. For lighter gold, it is recommended to dilute with the medium in a ratio of 3 parts Gold Paste to 1 part medium. Use a separate container and stir completely to form a smooth mixture.</li> <li>Ø The use of the medium will also enhance application for smoother drawing and longer strokes. Gold gradation may also be created with the medium.</li> <li>Ø Thickness of application should be less than 0.5mm or half the thickness of a standard paperclip. If additional thickness is required for design or darker gold color, fire first, then add a second layer and re-fire. Applying a coating too thick on the first layer may cause areas to come off with a layer of the base material.</li> </ul>	<p><b>Application:</b></p> <ul style="list-style-type: none"> <li>Ø Apply Gold Paste in an undiluted state for maximum gold color on Art Clay Silver. For lighter gold color, thin with water, stirring well to form a smooth mixture.</li> <li>Ø Thickness of application should be less than 0.5mm or half the thickness of a standard paperclip.</li> <li>Ø To overlay additional Gold Paste onto the first fired layer for more color or texture, paint surface again with undiluted paste, dry completely and fire.</li> <li>Ø Too thick of an application will result in chipping and flaking. It is better to re-apply a second coat and re-fire.</li> </ul>
<p><b>Drying:</b></p> <ul style="list-style-type: none"> <li>Ø <b>Undiluted Paste or Paste diluted with water only</b>, may be dried with a dehydrator or hair dryer for at least 5 minutes at 1200 watts ~ held 3 inches away from surface.</li> <li>Ø <b>Paste diluted with the medium</b> will take significantly longer to dry. Recommended time is at least 30 minutes or more with a dehydrator or 1200 watt hair dryer. Paste that has been diluted with the medium must be dried with heat.</li> </ul>	
<p><b>Firing:</b></p> <ul style="list-style-type: none"> <li>Ø <b>Glass:</b> Place glass in a cold kiln and fire to 1472°F (800°C) with a hold time of 5 minutes. Open kiln door and allow to cool (crash cool) to 1112°F (600°C) and close door. Allow to cool to room temperature before removing.</li> <li>Ø <b>Porcelain and Ceramic</b> surfaces should be placed in a cold kiln. Fire to 1472°F (800°C) and turn off kiln. There is no hold time. You may open kiln when temperature reaches 212°F (100°C) or below. Air cool to room temperature.</li> <li>Ø <b>Glass, Porcelain &amp; Ceramic pieces should be Kiln Fired Only. Gas Stove and Torch Firing are Not Recommended.</b></li> </ul>	<p><b>Firing:</b></p> <ul style="list-style-type: none"> <li>Ø The color of the Gold Paste will lighten when fired onto Art Clay Silver as the gold and silver together become an alloy. The longer and hotter they are fired together, the lighter the gold result. Strict adherence to firing instructions is critical. If Gold Paste on Art Clay Silver is placed into a cold kiln and allowed to fire, the gold will be very light.</li> <li>Ø Place the piece into the kiln at 932°F (500°C) and allow the piece to heat to 1472°F (800°C). Hold for 10 minutes. Allow kiln to cool to room temperature before opening door!</li> <li>Ø <b>Gas Stove Firing: See Instruction Sheet.</b></li> <li>Ø <b>Torch Firing is Not Recommended.</b></li> </ul>
<p><b>Finishing:</b></p> <ul style="list-style-type: none"> <li>Ø After firing, the surface will be matte in color. Obtain a gold luster by polishing with an agate burnisher, metal burnisher or wet/dry sandpaper.</li> <li>Ø Use light gliding strokes to bring out the shine.</li> <li>Ø Do not burnish gold too hard on glazed surfaces, as gold may chip off along with the glazed surface.</li> </ul>	<p><b>Finishing:</b></p> <ul style="list-style-type: none"> <li>Ø After firing, the surface will be matte in color. Obtain a gold luster by polishing with an agate burnisher, metal burnisher or wet/dry sandpaper.</li> <li>Ø Use light gliding strokes to bring out the shine.</li> </ul>
<p><b>Clean Up of Tools:</b> Keep a separate brush for your Art Clay Gold Paste. To clean a brush that has been used with only the Paste or Paste with water added, rinse the brush with water. For brushes that have been used with the Gold Paste and medium, rinse with a few drops of medium or alcohol in a small container.</p>	