

INSTRUCTIONS

Thank you for purchasing ART CLAY SILVER 650 / OVERLAY SILVER PASTE.
Read the Instructions and Directions carefully before use.

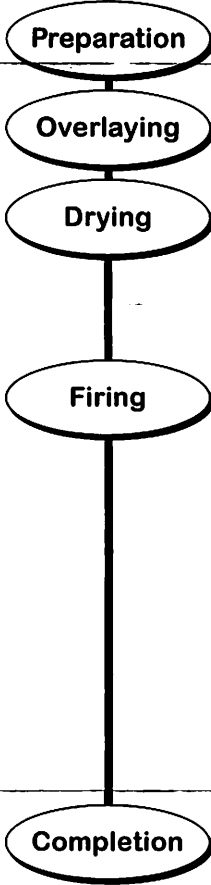
[CHARACTERISTICS]

● Art Clay Silver 650/Overlay Silver Paste (OSP) is "low-fire" silver clay in paste form, formulated specifically to use on glazed porcelain. ● Overlay Silver Paste is in a viscous, liquid form and water soluble, so that you can express 3 dimensional drawings on a surface of porcelain, ceramic or glass. ● After firing at applicable temperature ranging from 650°C/1200°F to 800°C/1470°F, it will turn into 99% silver form. ● 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.

[INSTRUCTIONS]

● Some silver settling may occur at bottom of the jar. Stir the paste well with a brush or metal spatula before use. ● This product is water-based and can dry up. Always keep the container tightly capped. (If it dries up, add a little water to recover its original state). ● To dilute the paste, take out the necessary amount and place it in a different container. Then, add necessary amount of water. Do not dilute it directly in the bottle. ● It is important that your kiln's pyrometer is functioning properly. *The melting point of fine silver is 965°C/1769°F. ● Always be sure to ventilate the workroom when using a kiln.

[DIRECTION]



Preparation

● Clean the surface of the ceramic or porcelain with alcohol, or soap and water to remove dust or oil which may interfere with the OSP sticking to the surface.
● Thin the OSP with water to the consistency needed in order to paint the surface.

Overlaying

● Recommended thickness is less than 0.5mm. If the application is too thick, it may delaminate from the surface with the glaze after firing or by polishing.

Drying

● The applied paste must be completely dried before firing. It may be dried in the following ways:
 ■ Hair dryer: At least 10-15 minutes with 1200w hair dryer. Place the dryer within 15cm/6 inches from the piece.
 ■ Food Dehydrator: At least 10 minutes at 60°C/140 °F
 ■ Oven: At least 7 minutes at 180°C/356°F
 ■ Kiln: At least 7 minutes at 150°C/302°F
 ■ Natural drying: At least 1 hour at room temperature
 *Do not apply heat over 250°C/482°F, or the binder will burn away and the OSP shape of the layer may change.

Firing

● You must fire the piece with a programmable electric kiln, which is equipped with a temperature control.
 ● Ventilate your workroom well.
 ● To fire, place the piece in a cold or warm kiln (below 200°C/390°F). Ramp the kiln to the applicable temperature depending on the kind of porcelain, glass, ceramic or type of your project.
 ● Take at least 15 minutes to reach firing temperature.
 *Ramping time varies by type and size of the kiln. Please refer to your kiln manual.

① Firing OSP applied porcelain piece

Firing temperature	650°C/1202°F ~800°C/1472°F
Holding time	Not needed.

After reaching the selected temperature, turn off the kiln and cool down to 100°C/210°F.

② Firing OSP applied porcelain piece with combination of Art Clay Silver type.

Firing temperature	650°C/1202°F	700°C/1292°F	750°C/1382°F	780°C/1436°F	800°C/1472°F
Holding time	30min.	15min.	10min.	5min.	Not needed

After reaching the selected temperature, turn off the kiln and cool down to 100°C/210°F.

● Take out the piece after the kiln's temperature drops down below 100°C/212°F.
 *Quickly cooling the piece, such as quenching, may cause it to break or crack.

Completion

● The surface of the fired area where OSP was applied, will be white and matte due to crystallization of silver, but a luster can be obtained by polishing.(i.e. Stainless blush, Burnisher, Sandpaper, File, etc.)

[PRECAUTIONS]

◆ Keep the clay indoors out of direct sunlight. ◆ Do NOT keep in a refrigerator. ◆ Use it soon after opening. ◆ When drying and firing, take care to prevent burns or 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. ◆ 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. ◆ It is important to follow the recommended instructions when using the Overlay Silver Paste in order to insure a successful firing.

● **Manufacturer**

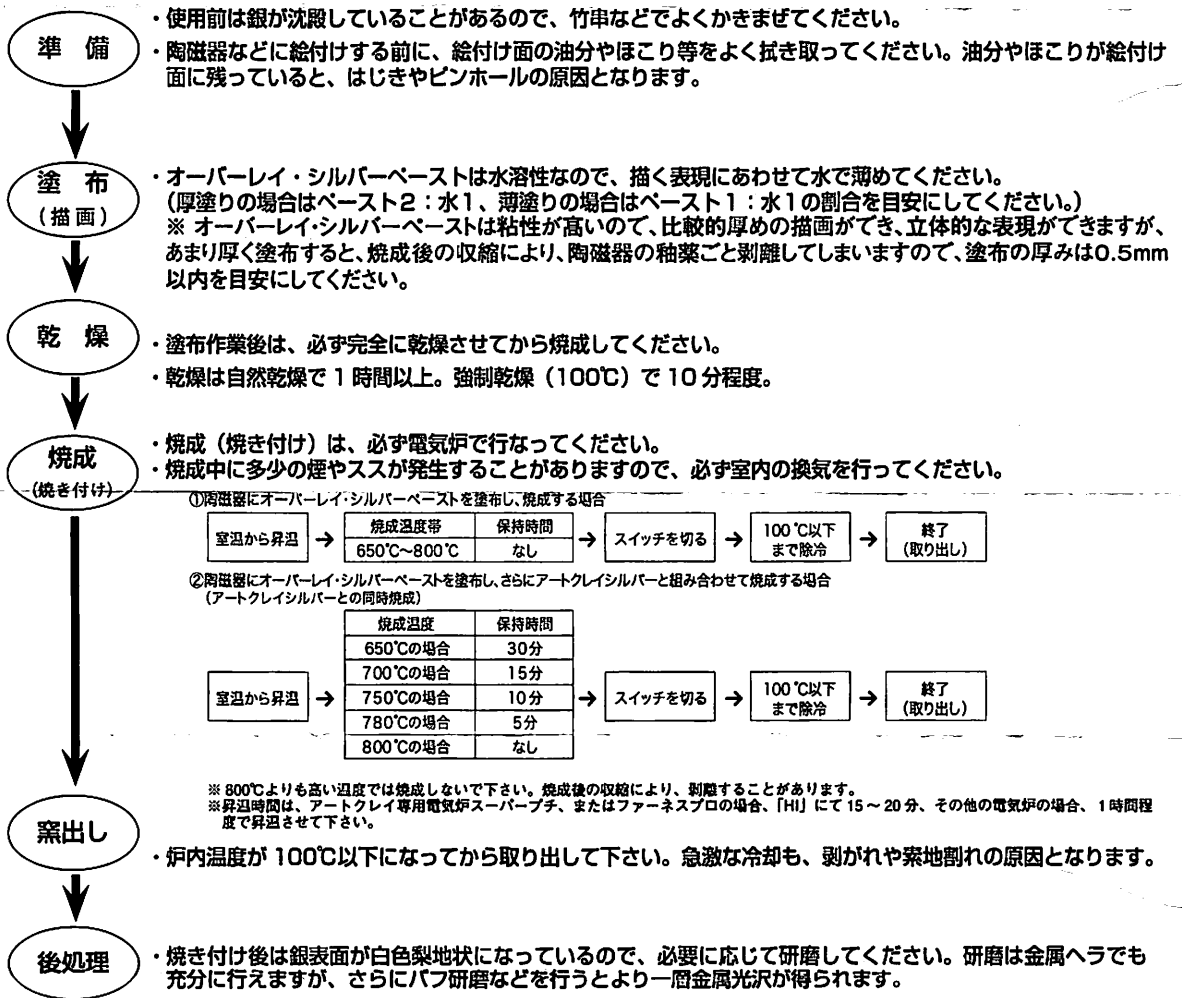
Aida chemical industries Co., LTD.

この度は、「オーバーレイ・シルバーペースト」をお買い上げ頂きありがとうございます。
より良い造形品を作るために下記の使用方法と注意事項をよくお読みの上、ご使用ください。

【特長】

- 陶磁器に直接塗布して焼成できる、画期的な銀彩用新素材です。
- 水性なのでやり直しや扱いが簡単です。盛り付け、描画など、水で粘性を調節できるので、幅広い表現が可能です。
- 650℃～800℃の温度域で焼成できるので、陶磁器の絵付けの美しさを損なうことなく、低温で焼成することができます。
- 微粒純銀粉末の採用により、研磨後は優れた銀光沢を放ちます。
- 焼成後の銀の純度は99%です。

【ご使用方法】



【使用上の注意】

- 決して口や目に入れないで下さい。万一入ってしまった場合は、直ちに吐き出す、流水で洗浄する等の処置をとり、医師の診療を受けてください。
- 皮膚についた場合は直ちに拭き取り、石鹸で良く洗浄してください。
- ご購入後、2～3ヶ月以内にご使用下さい。また、保存する場合は蓋をしかり閉め、室温の暗所で保存してください。
- オーバーレイ・シルバーペーストが瓶内で固まってしまった場合は、水溶性なので水を加え、良くかき混ぜれば再生できます。
- オーバーレイ・シルバーペーストは水溶性なので、使い終わった竹串、筆、とき皿などは水道水で洗浄すればきれいに洗えます。
- このオーバーレイ・シルバーペーストで絵付けした容器は電子レンジでご使用にならないでください。
- その他、ご不明な点がございましたら、お問い合わせください。