

INSTRUCTIONS

Thank you for purchasing ART CLAY SILVER Syringe Type.
Read the Instructions and Directions carefully before use.



Art Clay series products have the AP seal. The AP (Approved Product) seal is approved by ACMI (The Art & Creative Materials Institute, Inc.). It identifies the art materials that are safe and that are certified in a toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans, including children, or to cause acute or chronic health problems.

 WARNING	<ul style="list-style-type: none"> ● Insufficiently dried clay may cause breakage during firing. ● Oxygen is consumed and smoke and/or gas emission may result during firing. Always be sure to ventilate the workroom well. ● Do not place recently fired clay on or near by inflammable objects as it may cause a fire.
 CAUTION	<ul style="list-style-type: none"> ● Take care not to get burned by the heated clay when drying, firing, and/or after firing. ● Keep this product out of reach of children. ● If you get any of this product in your eyes or mouth, flush/rinse immediately with plenty of water and call your physician if necessary.

[CHARACTERISTIC]

● ART CLAY SILVER Syringe Type consists of pure silver particles, binding agent and water. The binding agent is produced from natural pulp fiber. ● During firing, the pure silver particles solidify. The binding agent consists of carbon, hydrogen and oxygen, and when fired results in the release of a small amount of carbon dioxide and steam during firing. ● By using Syringe Type, you can draw designs directly on pieces (of Clay Type or Paste Type) and create subtle patterns which used to be difficult to produce with conventional materials. ● This product is low temperature - firing clay that can be fired from 650°C/1200°F, and turns into pure silver (99.9%) after firing. The special formula of this product allows for combining with glass, porcelain and ceramic materials, and is also suitable for firing with sterling silver findings or wire. (Use of SV925 and higher quality and the firing temperature at 650°C/1200°F, and holding time for 30 minutes is recommended).

*Do not fire soldered pieces with this product as the soldering temperature is lower than the firing temperature.

[INSTRUCTIONS]

● This product is water-based and can dry up. The piece should be fired only after complete drying. It may cause a crack during firing if the clay is not dried enough. ● Some kilns show a different temperature from the actual one. It is known that silver will melt at 961°C/1761°F. Therefore, it is recommended that your firing temperature does not exceed 900°C/1652°F. ● Do not bend the fired piece with unreasonable pressure. ● Keep the clay indoors out of direct sunlight. ● Do NOT keep in a refrigerator. ● Use promptly after unsealing. ● This product and attachments are designed only for ART CLAY SILVER work. Do not use for other purposes. ● Because the nozzle is a sharp object, do not point the nozzle of the syringe at a person's face, especially the eyes.

[DIRECTIONS]

PREPARATION

- Remove the protection cap from the syringe and attach the nozzle to the syringe.
- Attach the nozzle firmly on the tip of the syringe. If it is too loose, the nozzle may come off when pushing out the clay.
- The tip of the nozzle is delicate. Do not squeeze it on a hard surface.
- Push out the clay from the tip of the nozzle with even pressure and draw a design.
- Do not draw on an ordinary sheet of paper. Draw only on a paper that is detachable after the clay dries up (i.e. wax paper for microwave ovens, cookie sheet, etc.).
- Because the piece will shrink 8~9% during firing, consider its finished size.
- Shaping or designing with the syringe is finished, wrap over the nozzle with a wet tissue or gauze to avoid drying.
- After use, take off the nozzle and make sure to clean out the remaining of the clay in the nozzle. You may use the nozzle cleaner (an empty syringe, optional).
- You can use recycled clay from the nozzle as paste. Mix well with Art Clay Silver Paste Type.
- For storage, attach the protection cap to seal the tip of syringe.

*If you combine this product with other materials such as glass, porcelain, silver wire, and silver findings (SV925, SV950, fine silver), it is recommended to attach it in this molding process. Please note that with any complicated designs like chains etc, it may be difficult to remove the oxidized layer after firing.

MOLDING & DRYING

<Condition for Drying>

- It is necessary to dry the clay completely, so dry it in the following ways:
- *Reference guide for an object up to 1mm thick, and 5g. If your work is larger, more drying time will be needed.
- Hair dryer: At least 10 minutes with a 1200w hair dryer. Place the dryer within 5~10cm/3 inches from the piece.
- Cooking plate: At least 10 minutes at 150°C/300°F
- Kiln: At least 10 minutes at 150°C/300°F
- Natural/air dry: At least 24 hours at room temperature.

*Do not apply the heat over 250°C/480°F, otherwise the binder burns away and shape of the piece will change.

How to tell when the piece is dry enough

Place the piece on a sheet of stainless steel, glass or plastic and after 10~20 seconds pick up the piece. If there is no cloud of water vapor, it is dry. (It is easy to check the vapor cloud on black stainless, glass or plastic.)

FIRING

<Kiln Firing>

To fire, place the piece in a room temperature kiln. Take at least 15 minutes to reach firing temperature. You may use any of the three firing temperatures and holding times listed below. If you are combining with other materials (i.e. man-made stone, glass), please check the appropriate firing temperature and holding time. If you are firing more than two pieces, make sure the pieces are not touching each other.

Firing temperature	650°C / 1200°F	700°C / 1290°F	750°C / 1380°F	800°C / 1472°F
Holding time	At least 30min.	At least 15min.	At least 10min.	At least 5min.

* This product is low temperature - firing clay that can be fired from 650°C/1200°F. It is not necessary to fire over 800°C/1472°F. Shrinkage after firing will be approx. 8-9% (in length) in any firing condition listed above.

* You may fire this product using a gas torch or on a cooking gas stove. Some restrictions and conditions apply. Please ask for details from your Art Clay supplier.

COMPLETION

- The surface of the fired piece will be white and matte due to crystallization of silver during firing, but a luster can be obtained by polishing. (i.e. Stainless brush, Burnisher, Sandpaper, File, etc.)
- The completed piece is pure silver (99.9%).

•Manufacturer

Aida chemical industries Co., LTD.
<http://www.artclay.co.jp/>