

ART CLAY™ SILVER 650

INSTRUCTIONS

Thank you for purchasing ART CLAY SILVER 650 Clay Type.
Read 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.

	<ul style="list-style-type: none">● It may cause a burst during firing if the clay is not dried enough.● Oxygen can be consumed or smoke and gas emission may result during firing. Always be sure to ventilate the workroom.● Do not place the fired clay on, or near by the inflammable object. It may cause a fire.
--	--

	<ul style="list-style-type: none">● Take care not to get burned with the heated clay when drying, firing, and after 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.
--	---

[CHARACTERISTIC]

● ART CLAY SILVER 650 consists of pure silver particle, binding agent and water. The binding agent is produced from harmless pulp fiber. ● During firing, the pure silver particle 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 low - fire 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 also suitable for firing with sterling silver findings or wires (use of SV925 and higher quality recommended and the firing temperature at 650°C/1200°F, holding time for 30minutes recommended). *Do not fire a soldered piece with 650 as the soldering temperature is lower than the firing temperature.

[INSTRUCTIONS]

● This product is water-based. If the clay becomes stiff during shaping, add a few drops of water and knead it well. ● Take out only the necessary amount of clay. Place the rest of the clay in the original 650 bag or a plastic bag and keep it in a sealed container to prevent it from drying up. ● Do not use rubber bands to wrap the clay in plastic wrap (They may discolor the clay). ● 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/1763°F. 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 it early after unsealing.

[DIRECTIONS]



- Take out necessary amount of clay. When you use newly opened 650 or if the unused portion of 650 seems stiff, put it in a plastic wrap, and knead it in the palm of your hand to soften.
- Because the piece will shrink 8 to 9% during firing, make the mold larger than the finished size.
- You may combine any unused portion of 650 with the original clay series (clay, paste and syringe types), but the firing condition should be same as the original clay series.
- It is necessary to dry the clay completely, so dry it in the following ways:

<Condition for Drying>

- Hair dryer: 10~15 minutes with 1200w hair dryer. Place the dryer within 5~10cm/3 inches from the piece.
- Food Dehydrator: At least 10 minutes at 60°C/145°F
- Oven: At least 10 minutes at 180°C/330°F
- Cooking plate: At least 10 minutes at 150°C~180°C/300~330°F
- Kiln: At least 10 minutes at 150°C/300°F
- Natural 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.

When to Tell When the Piece is Dry Enough

Place the piece on stainless, 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 cloud on the black stainless, glass or plastic.)

<Kiln Firing>

To fire, place the piece in a cold or warm kiln (below 300°C/570°F). It is safest to start with a cold kiln. Take at least 15 minutes to reach firing temperature. You may use any of the three firing temperatures and hold times listed below. If you are combining with other materials (i.e. man-made stone, glass), please check the appropriate firing temperature and hold 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.

*You may fire 650 using a gas torch or on a cooking gas stove. Some restrictions and conditions apply. Please ask for the details from your purchased source.

- The surface of the fired piece will be white and matte due to crystallization of silver, 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/>