

Morin Soft Fine Silver Clay User Manual

1. Sculpting

2. Drying

In case with hair dryer:

Dry with warm air for approximately 30 minutes. (Drying time varies depending on the thickness and size of the piece.)

Sometimes, the artwork may still stay a bit elastic, even after drying.

For thicker items or rings and pieces weighing 15g or more, please dry with warm air for over an hour.

For drying on a hotplate

Keep warm for approximately 30 minutes. (Drying time varies depending on the thickness and size of the piece.)

Do not set the temperature above 130° C (266° F).

※ Depending on the hotplate model, even a setting of 130° C ((266° F) may exceed 150° C (302° F).

Warnings during drying process:

- On humid days or when the room temperature is low, please dry for a bit longer.
- When drying the piece, please ensure the work (Morin Soft drying body) does not exceed 130° C ((266° F).

This may cause bursting, cracking, splitting, or inflate like bubble.

- Please note that the drying body may crack if dropped.

☆How to Revive Dried and Hardened Morin Soft Fine Silver Clay☆

- ① Add water to the dried body and wrap it in cling film.
 - ② Place it in a zip-lock bag, remove the air, and seal the zip.
- ※ Be careful not to add too much water, as it will turn into a paste.

3. Polishing

Polish and finish using a sponge abrasive (file).

Wear a paper mask and dust cover during polishing. Fine particles may become airborne.

4. Firing

Ensure the piece is thoroughly dried before firing.

If moisture remains in the work, it may puff up like mochi during firing, or cause cracks and breakage.

Firing in an electric furnace

Place the dried body into the electric furnace at room temperature and raise the temperature to 850° C (1562° F).

This heating process takes approximately 20 minutes (for Nitto Kagaku Corporation's small electric furnace OMT).

Once the temperature reaches 850° C (1562° F), fire for 10 minutes.

〈Firing〉 Reference: Approximate firing times for sculptural pieces weighing up to 5g.

Place into the electric kiln at room temperature.

600° C (1112° F) 30 minutes

750° C (1382° F) 15 minutes

800° C (1472° F) 15 minutes

850° C (1562° F) 10 minutes

5. Polishing after firing

After firing, the piece emerges pure white. Use a stainless steel brush to reveal the silver skin, then finish polishing with a polishing spatula to complete the piece.

☆Storage Method for Leftover Morin Soft Fine Silver Clay☆

Store in a sealed bag (or container) to prevent exposure to air.

Unopened, it can typically be stored for 2-3 months, but please use it as soon as possible.

(If it hardens, it can be rehydrated with water to restore its clay-like consistency.)

Avoid direct sunlight, hot indoor environments, or leaving it in a car.

《How to Make Sheets》

● Roll out Morin Soft to a thickness of approximately 0.2mm to 0.5mm. Sandwich it between plastic bags, plastic wrap, or polyethylene sheets, and allow it to dry naturally until it reaches a semi-dry state.

※ Applying a small amount of silver clay oil to the polyethylene sheet before rolling out Morin Soft makes the process easier.

After semi-drying, it becomes soft and pliable like sheet clay.

● The sheet-like silver clay can be cut with scissors or a cutter.

● To bond dried pieces together, use paste (Morin/Morin Soft silver clay mixed with water to a thick, sticky consistency).

Press the joined area firmly with your finger for several seconds to bond it.

※ If the bond is weak, it may peel apart, so ensure the silver clay pieces are firmly pressed together.

● After thoroughly drying for at least 30 minutes on a hot plate, immediately place the piece in an electric kiln starting at room temperature. Hold at 400° C (752° F) for 5 minutes, then raise the temperature to 850° C (1562° F) and fire for 10 minutes.

※ Be careful not to burn yourself.

● After polishing, the sheet is complete.

Precautions for Sheet Clay

- ① While it can be rolled to a thickness of 0.2mm, it may break if subjected to impact after firing.
 - ② After firing, the edges of the piece may become sharp, so handle with care.
 - ③ When creating three-dimensional objects (please refer to the image below)
After the sheet clay is semi-dry, use a craft knife to create the design cutouts.
Then: ① Create a paper core as the base, ③ cover it with silver clay, ④ press the ends of the silver clay together using a paste adhesive as shown in ④.
- After drying for 30 minutes, fire it together with the sheet clay.
※ If the core and sheet clay are not fired together, the sheet clay will crack.



Precautions

● Depending on individual constitution, itching or skin irritation may occur. Should you notice any abnormalities on your skin or body, discontinue use immediately and consult a specialist.

● Don't put into eyes or mouth.

● After use, wash hands thoroughly with soap and do the gargling.

● When sanding after shaping (both pre-firing dried pieces and post-firing), wear a mask and dust cover.
Fine powder may become airborne.

● During firing, smoke and gases may be emitted due to the binder components. Ensure adequate ventilation in the room.

● After drying using a hotplate or hairdryer, and after firing, allow the piece to cool completely within the kiln before removal. Take care to avoid burns or injury.

● Keep away from children.

Adhere strictly to the above handling instructions and never use this product for any purpose other than its intended use.

During the manufacturing process, the clay may develop a slight yellowing. Should you notice yellowing upon opening the package, this does not affect the quality of Morin Soft Fine Silver Clay in any way.
After firing, the yellowing disappears and has no impact on your finished piece.

Planning and Manufacturing

Nitto Kagaku Co., Ltd.

2-18-3 Tokugawa, Higashi Ward, Nagoya City, Aichi Prefecture 461-0025

TEL: 052-935-5020 FAX: 052-935-8982

Crafts Department E-mail: kougei@nittokagaku.com