

Morin Fine Silver Clay Instruction Manual

Morin fine silver clay is a one-of-a-kind fine silver clay that allows you to use even a single gram of expensive silver without wasting it, and to express yourself freely.

Morin's greatest feature:

- Even after it dries, it can be regenerated to a clay state with water alone.
- Even delicate design textures can be captured beautifully on the clay.
- Cracks and scratches can be repaired after drying with a cotton swab moistened with water, waterproof paper, or sponge abrasive.

1 Modeling

After removing the product from the package, soften it evenly by rubbing it with fingertips. This will prevent the Morin from sticking to fingers and other objects.

Adhere Morin to each other with water or Morin paste (Morin dissolved in water).

The piece will shrink by 7% to 15% after firing, so please consider this shrinkage when creating your work.

When making a ring

Please sculpt a size +5 to +8 larger than your finger size.

(For example, when making a size 10 ring, use a ring size of 15 to 18.)

Shrinkage rate varies depending on the amount, size, shape, firing temperature, and time of the silver clay.

If you use "Ring Firing Core Material" (sold separately by Nitto Kagaku Co., Ltd.), it is less likely to be deformed, and you can make your favorite shape and size.

Synthetic stones for fine silver clay can be fired at the same time.

2 Drying

For dryer drying

Warm air drying for about 30 minutes. The material may still stay slightly elastic after drying.

For thicker rings or pieces weighing 15g or more, dry them with a dryer for at least 1 hour.

For drying set (sold by Nitto Kagaku Co., Ltd.)

Dry for 40-45 minutes with the optional drying set.

Precautions for drying

- During humid or rainy days, please dry for a longer time.
- Do not dry Morin at temperatures higher than 150° C.
- Please be careful not to drop the dried piece as it will break.

☆How to recycle dried and hardened Morin fine silver clay☆

- ① Add water to the dried piece and wrap it in plastic wrap.
- ② Put the dried piece in a zipper bag to remove air and close it.

Be careful not to add too much water as it will turn into paste.

3 Polishing

Polish with sponge abrasive (sandpaper).

Polish the surface with a sponge abrasive (sandpaper), starting with coarse, then medium, and finally with fine.

4 Firing

Please dry the piece thoroughly before firing.

If moisture remains on the piece, it may swell up like a balloon during firing, or it may crack.

Firing in an electric furnace

Place the dried body in an electric furnace at room temperature and raise the temperature to 800° C to 850° C. It takes about 20 minutes for the temperature to rise.

small electric furnace) Then, after the temperature reaches 800°C to 850°C, fire for 1 minute to 5 minutes.

〈Firing〉 Reference: Approximate firing time for moldings weighing up to 5g.

Place in an electric furnace from room temperature.

600°C for 30 min.

750° C 5 min.

800°C 1 to 5 min. (5 minutes for rings.)

850° C 1 to 5 min.

For simultaneous firing with SV925.SV950*¹, 600° C 30 min.

Do not fire at temperatures higher than 900°C. (900° C is OK)

*¹: SV925.SV950: SV products (silver products)
such as commercially available silver

When baking with simple baking utensils

When baking with Silver Pot or Silver Mini Pot (produced by Nitto Kagaku Co., Ltd.): Baking is finished when solid fuel is burned off.

When baking with mini pans (produced by Nitto Kagaku Co., Ltd.): Baking is completed in 5 to 7 minutes over medium to high heat using a cassette stove.

Baking can also be done with a strong gas burner.

5 Polishing after firing

After firing, the piece will be pure white. Finish by polishing.

☆Storage of leftover Morin fine silver clay☆

Store leftover Morin fine silver clay in an airtight bag (container) to prevent air exposure.

If unopened, it can be stored for 2 to 3 months, but please use it as soon as possible. (If it becomes hard, it can be turned back into clay with water.)

Avoid direct sunlight, hot rooms, and in cars.

Precautions

Depending on your constitution, itching or rash may occur. If you notice any skin or body irritations, please stop using the product and consult a specialist.

Do not put in eyes or mouth.

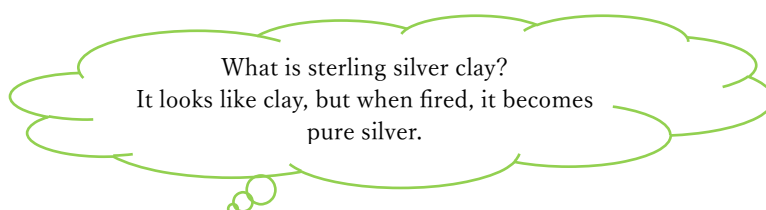
Keep out of reach of children.

Wash hands thoroughly with soap and gargle after use.

Use a mask, dust cover, etc. when grinding after molding (dry before and after firing). There is a possibility that fine powder may fly off.

Smoke and gases may be generated during firing due to binder components. Be sure to ventilate the room sufficiently.

Please follow the above handling instructions and never use the product for any purpose other than its required use.



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