



# Satori™ Japanese Wall Finishes Substrate Preparation Manual

Version 1.2

**Proper application is the responsibility of the users**

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This information is provided as a general resource manual for persons familiar and having technical knowledge of the preparation of various wall substrates prior to the application of wall plaster and is not intended to instruct or be relied upon as a determination for the suitability of any particular project.

## **Notice**

Follow good safety practices during the installation and removal of products. Read carefully all manufacturer material safety data sheets (MSDS), application manuals, use instructions, and manufacturer supplied warranty information on all products being considered for use before specification, installation or removal. We shall not be liable for any damages or losses, directly or indirectly caused by application or removal of these products based on information supplied herein. All handling and safety information is given with the understanding that those using such information will satisfy themselves that their particular conditions of use present no health or safety hazards. Jobsite conditions, use of products, removal and disposal of products described in this manual, are outside the control of Shikoku International and the company assumes no liability and makes no warranties, expressed or implied, in connection with the use of this information.

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## JOB CONDITIONS

### **Environmental Requirements:**

- Maintain room temperatures at not less than 32 degrees Fahrenheit.
- Provide ventilation in enclosed areas where coating is being prepared and applied to allow materials to properly cure.
- Take precautionary measures necessary to ensure that excessive temperature changes do not occur during application and curing.
- Cold Weather Requirements: Do not apply sand coating unless a minimum room temperature of 32 degrees Fahrenheit has been and continues to be maintained for a minimum of 48 hours prior to application and until the coating is cured.
- Maintain humidity levels below 50% to facilitate normal drying conditions. Do not use mechanical fans to expedite drying, doing so may cause cracks to develop.

### **Protection:**

- Cover building openings in areas adjacent to coating work with plastic film.
- Protect finished surfaces installed prior to coating application by covering surfaces with a suitable non-staining material. Cover metal frames with plastic film.
- Maintain protection in place until completion of coating work.



## NEW CONSTRUCTION

### **Gypsum Board, Sheetrock, Drywall, Mortar Board, Cement board -**

#### **We recommend a Level 4 wall surface be achieved prior to applying the finish**

- Scrape off loose materials and flaking materials that would impair coating bonding.
- Clean and dry surface.
- Provide protection over adjacent surfaces.
- Tape all joints with the appropriate tape and method for the primer selected.
- Apply one of the following primers approved by Shikoku International Corporation:
- After the selected primer has dried and prior to applying finish, remove any dust or debris.

**Note: Consider the recommended thickness for each of the following primers and be sure to prepare and sand the substrate after taping joints accordingly. Wipe clean any dust or debris which may impair the bonding of primers and cause delamination. Make sure the primer chosen will sufficiently cover the entire prepared board and create a smooth uniform level 4 surface.**

SKPT according to instructions supplied by Shikoku International Corp. SKPT contains a sealer.

**or**

Water based acrylic primer/sealer such as Zinsser 1-2-3 primer/sealer, mixed with commercial grade 30 mesh sand using a 5 to 1 ratio of primer/sealer to sand.

**or**

Veneer Basecoat – if using veneer basecoat it is recommended that you follow the manufacturer's instructions and use veneer plaster boards, typically referred to in the industry as "blue board", made with specially coated paper backing formulated to bond with veneer basecoat. However, if you are using regular sheetrock, gypsum, drywall, mortar boards or cement boards, use a plaster bonding agent, available at home improvement stores. Failure to use a plaster bonding agent may result in delamination. Make sure the bonding agent is compatible with your particular substrate. You should follow the instructions provided by each of the product's manufacturers.

**Note:** Ideally, Satori plaster finish should be applied 24 hours after veneer basecoat is applied. If applying after 36 hours or if the veneer basecoat becomes very dry, the resulting suction will make it more difficult to apply the finish and will also use more product, decreasing square footage. Applying an approved acrylic sealer over the basecoat will decrease suction and improve application.



## BRICK OR CEMENT BLOCK WALL

### **We recommend a Level 4 wall surface be achieved prior to applying the finish**

- Verify surface is free of defective conditions such as cracks, laitance, efflorescence, and other conditions which may affect coating bonding.
- Remove such defective conditions as follows.
  - A. Cracks
    1. Cut V-groove over cracks larger than hair cracks.
    2. Remove dust, debris, paints, and loose objects with wire brush or sander.
    3. Use a plaster bonding agent, available at home improvement stores. Make sure the bonding agent is compatible with your particular substrate. You should follow the instructions provided by each of the product's manufacturers. Failure to use a plaster bonding agent may result in delamination.
    4. Apply veneer basecoat over entire designated area to create a smooth uniform surface.
    5. Remove any dust or debris from veneer basecoat after it has dried.
    6. Cure veneer basecoat for 24 hours and ideally apply finish coating within 24-36 hours of veneer basecoat application.
  - B. Efflorescence & Laitance
    1. Remove efflorescence with tools such as wire brush and sander.
    2. Remove dust, debris, paints, and loose objects with wire brush or sander.
    3. Use a plaster bonding agent, available at home improvement stores. Make sure the bonding agent is compatible with your particular substrate. You should follow the instructions provided by each of the product's manufacturers. Failure to use a plaster bonding agent may result in delamination.
    4. Apply veneer basecoat over entire designated area to create a smooth uniform surface.
    5. Remove any dust or debris from veneer basecoat after it has dried.
    6. Cure veneer basecoat for 24 hours and ideally apply finish coating within 24-36 hours of veneer basecoat application.

**Note:** Ideally, the Satori plaster finish should be applied 24 hours after veneer basecoat is applied. If applying after 36 hours or if the veneer basecoat becomes very dry, the resulting suction will make it more difficult to apply the finish and will also use more product, decreasing square footage. Applying an approved acrylic sealer over the basecoat will decrease suction and improve application.



## REMODELING

**Impermeable surfaces such as marble, plastic, steel and wood surfaces are not appropriate for plaster finish application and should be completely removed and a new substrate prepared prior to beginning application.**

### Wallpaper -

**We recommend a Level 4 wall surface be achieved prior to applying the finish**

- Remove old Wallpaper
- Scrape off loose materials and flaking materials that would impair coating bonding.
- Clean and dry surface
- Provide protection over adjacent surfaces.

Apply one of the following primers approved by Shikoku International Corporation:

SKPT according to instructions supplied by Shikoku International Corp. SKPT contains a sealer.

**or**

Water based acrylic primer/sealer such as Zinsser 1-2-3 primer/sealer, mixed with commercial grade 30 mesh sand using a 5 to 1 ratio of primer/sealer to sand.

**or**

Veneer Basecoat –

1. Remove efflorescence with tools such as wire brush and sander.
2. Remove dust, debris, paints, and loose objects with wire brush or sander.
3. Use a plaster bonding agent, available at home improvement stores. Make sure the bonding agent is compatible with your particular substrate. You should follow the instructions provided by each of the product's manufacturers. Failure to use a plaster bonding agent may result in delamination.
4. Apply veneer basecoat over entire designated area to create a smooth uniform surface.
5. Cure veneer basecoat for 24 hours and ideally apply finish coating within 24-36 hours of veneer basecoat application.
6. Remove any dust or debris over basecoat with wire brush.

**Note:** Ideally, the Satori plaster finish should be applied 24 hours after veneer basecoat is applied. If applying after 36 hours or if the veneer basecoat becomes very dry, the resulting suction will make it more difficult to apply the finish and will also use more product, decreasing square footage. Applying an approved acrylic sealer over the basecoat will decrease suction and improve application.

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