



Satori™ Elements SAO

Application Manual

Version 1.5

Proper application is the responsibility of the users

Safety Precautions

NIOSH approved dust masks (N95) and chemical resistant gloves required for application and removal of the products. The products should be mixed and applied in appropriately and adequately ventilated areas. Avoid generating dust when possible.

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, applicator skill and experience, removal and disposal of products described in this manual, are outside the control of Shikoku International Corporation and the company assumes no liability and makes no warranties, expressed or implied, in connection with the use of this information.

(1) Substrate Preparation

Prepare the substrate according to the **Substrate Preparation Manual** supplied by Shikoku International Corporation. Proper preparation of the substrate is required before application of Satori SAO. Failure to do the required preparation may result in delamination and other problems with the final finish.

The **Substrate Preparation Manual** provided by Shikoku International Corporation, is a general resource manual available for download through the Satori website www.satoriwalls.com and is intended 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.

Satori SAO is suitable for use (with proper preparation) on the following substrates:

- Gypsum Board, Sheetrock, Drywall, Mortar Board, Cement Board
- Brick or Cement Block Wall
- Painted Walls
- Plaster (other than stucco)

Satori SAO is for interior use only. Do not apply on any exterior surfaces.

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(2) Mixing Instructions

NOTE: NIOSH approved dust masks (N95) and chemical resistant gloves required during mixing

- Do not use a drum mixer machine. Use electric hand mixer.
- Size batch for entire surface area where consistent texture or consistent color is required.
- Combine and re-mix multiple batches as necessary.
- Apply SAO mix promptly within a maximum of 5 hours after mixing.
- Continuously mix while adding any additives, water or materials.
- Satori SAO is for trowel application only

Satori SAO Mixing Instructions and Coverage Rates

- Standard quantity of water: 2 and 1/3 quarts (2.2L) per one bag of Satori SAO.
- Satori SAO can be applied using a one or two coat method as described below. The two coat method may be easier for those unaccustomed to applying Japanese plaster. The objective is to obtain uniform coverage without any bare spots and to achieve a minimum thickness of 1mm and a maximum thickness of 1.5mm. The two coat method will likely use more material depending on job conditions and the skill of the applicator, however, SAO should not be applied more than 1.5mm total thickness. The following are the expected coverage rates at different thickness levels and you may use the standard credit card thickness of .03 inch as a handy visual aide:
 - Thickness of 1mm = .039 or 1/25 inch or slightly less than 1.5 credit cards thick, yields a coverage rate of 32-35 square feet per bag of SAO plaster.
 - Thickness of 1.5mm = .059 or 1/17 inch or approximately 2 credit cards thick, yields a coverage rate of 21-24 square feet per bag of SAO plaster.

PROCEDURE

1. Pour 80% of required quantity of water into a plastic container.
2. Properly place NIOSH approved (N95) dust mask and chemical resistant gloves over person doing mixing and any other persons in close proximity.
3. Add and mix with electric hand mixer, one bag of SAO bonding agent.
4. Add one bag of Satori SAO plaster and mix it thoroughly using electric hand mixer.
5. If you are using optional decorative additives make sure to consider the amount used to achieve your desired effect. Add to plaster mix using hand mixer until additives are dispersed well and evenly throughout the mix.
6. Stop mixing and let the mixture stand for 20 minutes.
7. Add up to the remaining 20% of water until mix reaches desired application consistency.



(3) How to Apply

NOTE:

- A one or two-coat process may be used to achieve the desired total coating thickness.
- Satori SAO is suitable for trowel application. Do not use spray machine.
- Interrupt application only at junctions of coating planes, at openings, and at edges.
- Recommended total coating thickness is 1mm – 1.5mm.

PROCEDURE

1. Use rigid rectangular or pointed (use where rectangular trowel doesn't fit) stainless steel trowels in the size and shape appropriate for the area of the wall being worked on, i.e. corners and edges may require very small specialty trowels.
2. Decide whether you will use a one or two coat method. If using one coat proceed to step 5 after applying product uniformly over all areas covering all bare areas up to the recommended thickness of between 1mm and 1.5mm (see section above about coverage rates).
3. Apply first coat. First coat shall be flat to true surface and thinner than the second coat or about the thickness of the aggregate.
4. When the first coat surface water begins to withdraw or go matte, apply the second coat uniformly up to the recommended thickness. Do not let the first coat dry before applying the second coat. Apply the second coat quickly after the first coat begins to go matte.
5. Japanese Plastic Trowel or Japanese thin stainless steel trowel recommended for final compression of the finish after the final finish begins to go matte or surface water withdraws to create the smoothest Japanese style finish possible without burnishing.

-End of Installation Manual-