

1. Overview

- Product Category : Glass Ceramic Block
- Product Name : Rosetta SM
- Intended Use of the Device : This product is used to make artificial teeth in order for damaged teeth to get its function and beauty restored.
- Packaging Unit : Refer to HASS standard package.

2. Instruction



(1) How to Use

This product must be used in accordance with the using methods of a dental CAD/CAM system.

* Procedure for using glass ceramic blocks *

- ① Attach the Jig to the accurate location.
- ② Mount it on the CAD/CAM equipment.
- ③ Inputs the size information of the prepared block into the CAD/CAM equipment.
- ④ Inputs correction information needed for processing.
- ⑤ Process the Block using the CAD/CAM equipment.
- ⑥ Carefully detach the process-completed block from the equipment.
- ⑦ Detach the processed artificial tooth or restoration from the block.
- ⑧ Artificial teeth or prosthetic separated by heat treatment at 840℃ makes crystallization.
- ⑨ If necessary, perform stain and glazing treatment.

(2) Storage and Maintenance before Use

- ① Do not store in package open or dirty place it may contaminate the products.
- ② Store away from moisture, direct sunlight, and heat.
- ③ Do not reuse or recycle the remaining part once used.

⚠ 3. Cautions

(1) Cautions before Use

- ① Be careful not to damage the milling tool of the CAD/CAM machine when attaching or detaching the product.
- ② Be careful not to get your hand caught in the milling tool.
- ③ The jig should be attaching to an accurate location.
- ④ Suppress or remove the dust which may occur during the operation of CAD/CAM machine.
- ⑤ Do not drop the product on the ground or apply heavy force as it may damage the product.
- ⑥ Keep the product out of reach of infants and children.
- ⑦ Product should be handled by dental technicians and dentists.

(2) Storage and Maintenance before Use

- ① Store the product at room temperature in a dry place.
- ② Pack and store the product properly to ensure that it is not damaged.
- ③ Store the product at temperatures ranging from 0℃ ~ 40℃, in combination with relative humidity of 10% r.H ~ 90% r.H, under atmospheric pressures ranging from 500 hPa ~ 1060 hPa

4. Side effect

It the patient is known to be allergic to any of the components of Rosetta SM, the material must not be used to fabricate restorations.

5. Contraindication

- ① Posterior bridges reaching into the molar region
- ② 4-and more-unit bridges
- ③ Inlay-retained bridges
- ④ Very deep subgingival preparations
- ⑤ Bruxism
- ⑥ Cantilever bridges / extension units
- ⑦ Maryland bridges
- ⑧ Any other use not listed in the indications

6. Mechanical and Physical Properties

- ① Flexural Strength : over 300 MPa
- ② Chemical Solubility : below 100 $\mu\text{g}/\text{cm}^2$
- ③ Coefficient of Thermal Expansion : $10.0 (\pm 0.5) \times 10^{-6} \text{ K}^{-1}$

* This is a single-use product. * Do not reuse.

7. Pictogram

	Do not reuse		Caution		Catalogue Number
	Consult Instructions for Use		Batch Code		Date of Manufacture
	Do not use if package is damaged		Manufacturer		Authorized Representative in the European Community
	Non Sterile		CAUTION: US Federal restricts this device prescription only		CE Marking
	Keep away from sunlight				

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Please follow our recommended crystallization schedule for best results.

Entry Temperature	Heating Rate	Final Temperature	Holding Time	Temperature of Lowering Table	Temperature of Vacuum On	Temperature of Vacuum Off
400°C	60°C / min.	840°C	1000 min.	700°C	550°C	840°C

Note

There may be a slight difference between the displayed temperature and the actual temperature of each furnace. Before you sinter Rosetta® SM blocks, please verify that the above recommended schedule is suitable for the furnace being used. Otherwise, try to find the optimized crystallization temperature through the following process.

- If there are some changes in the shape of restoration during crystallization heat treatment, please reduce the final temperature by 10°C ~ 15°C.