

# Rosetta<sup>®</sup> SM

Instructions for Use



CE  
2195

Human-Aid  
System Supplier **HASS** *beLIVE*



# Rosetta<sup>®</sup> SM

## Mechanical properties

Mechanical tests on lithium disilicate (LS2) glass-ceramics after final heat-treatment show that Rosetta SM crowns can achieve a higher strength (440 MPa) which is up to that of existing commercial product.

## Machining performance

Machinable lithium metasilicate (LS) glass-ceramics allow for excellent edge stability. Rosetta SM chairside blocks with LS crystals can achieve a lower biaxial strength, which enables easier wet grinding compared to existing commercial product.

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1 Indications / Preps Guide

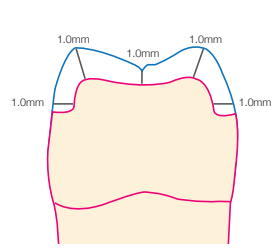
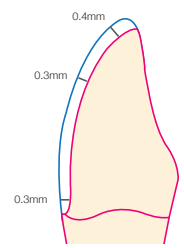
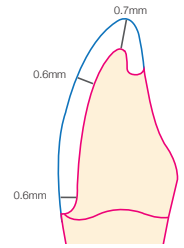


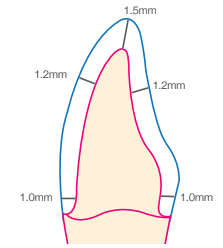
Table Top



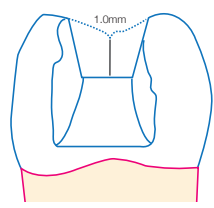
Thin Veneer



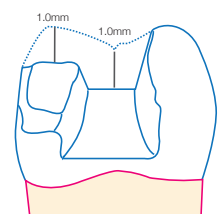
Veneer



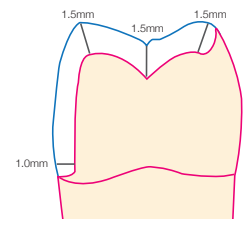
Anterior Crown



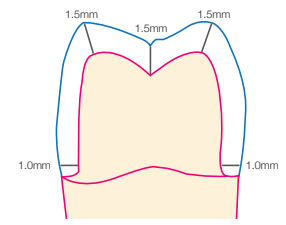
Inlays



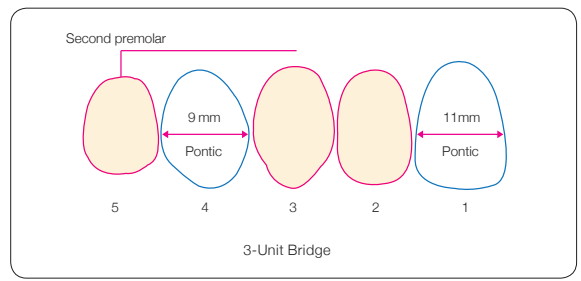
Onlays



Partial crown



Posterior crown



## 2 Indications



Inlays



Onlays



Veneers



Anterior Single Crowns



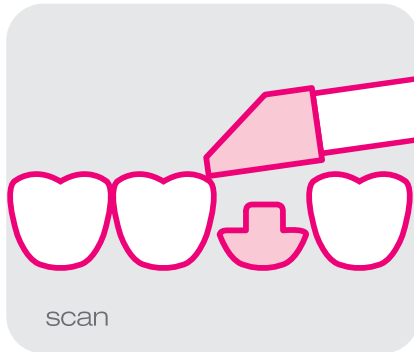
Posterior Single Crowns



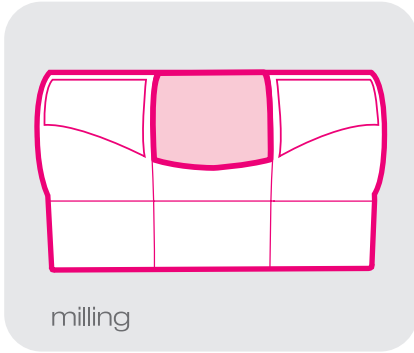
3-Unit Bridge

\*up to the second Premolar

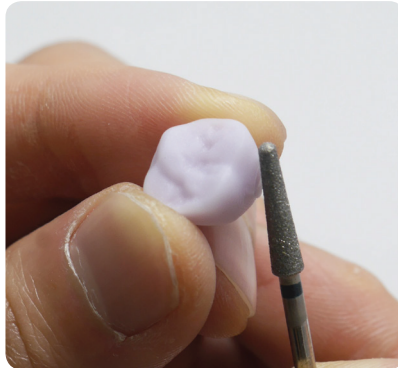
## 3 Imaging\*



4 Milling\*



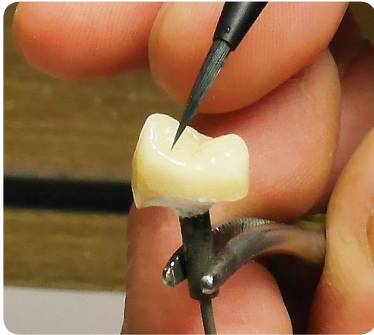
5 Preparing for Crystallization



Finish surface with grinding instrument.\*

Use the fix material\* before heat-treatment for crystallization.

## 6 Characterizing



### Crystallization Schedule

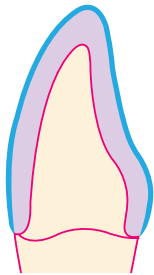
Entry Temperature	Heating Rate	Final Temperature	Holding Time	Lowering Table	Vacuum On	Vacuum Off
400 °C	60 °C / min	840 °C	10:00 min.	700 °C	550 °C	840 °C

#### Note

There may be a slight difference between the displayed temperature and the actual temperature of each furnace. Before you sinter Rosetta<sup>®</sup> 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.

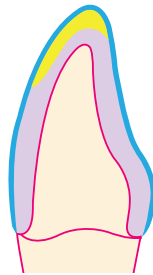
- If there are some changes in the shape of restoration during crystallization heat treatment, please reduce the final temperature by 10-15° C.

\* Please follow our recommended crystallization schedule for best results.



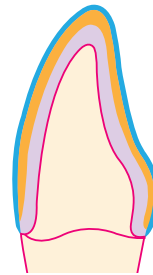
**Staining technique HT/LT**

Crystallization with staining / glazing\*  
or  
Staining / glazing\* after crystallization



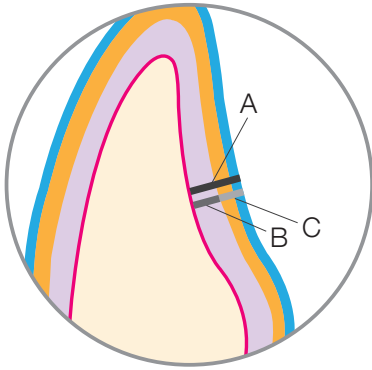
**Cut-back technique HT/LT/MO**

1. Crystallization
2. Layering with veneering material\*
3. Staining / glazing\*



**Layering technique MO**

- Rosetta SM
- staining & glazing
- incisal veneering material
- veneering material



**Note**

Layer thickness

Dimension in mm

	1.0	1.5	2.0	2.5	3.0
A	0.5	0.8	1.1	1.3	1.6
B	0.5	0.7	0.9	1.2	1.4

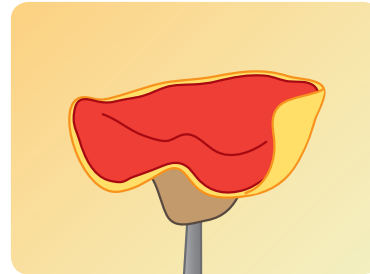
- A : Overall thickness
- B : Framework thickness
- C : Veneering material\* thickness

**B > C, Framework is to be thicker than veneering material\***

**7 Preparing for Cementation**



Do not blast restoration.



Etch for 20 sec with 5% hydrofluoric acid.\*

\* Respect all information given in the manufacturer's usage regulations.