



EN

Lithium Disilicate Glass-ceramic Blocks & Disks

Rosetta[®] SM

User's Manual

Rosetta[®] SM User Manual

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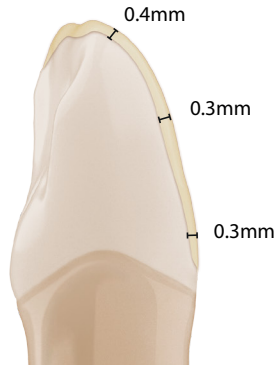
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1. Introduction

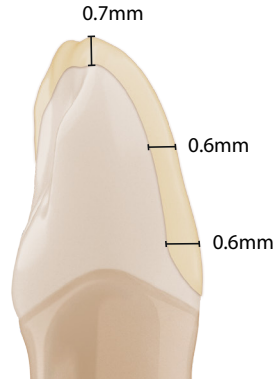
Rosetta[®] SM

Rosetta[®] SM, innovative CAD/CAM block product with reliable strength, stable properties, and high precision, supports you with a wide range of indications for aesthetic restorations through CAD/CAM technology.

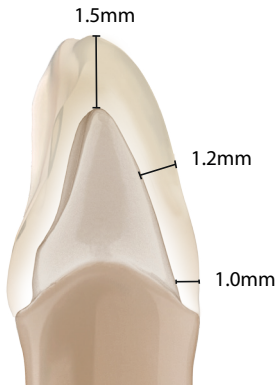
2. Preparation Guide



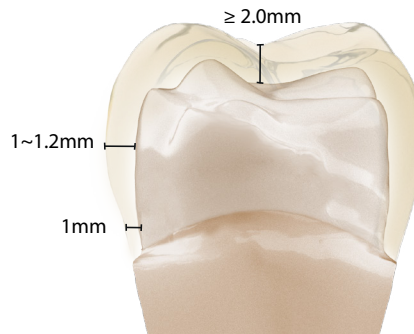
Thin Veneer



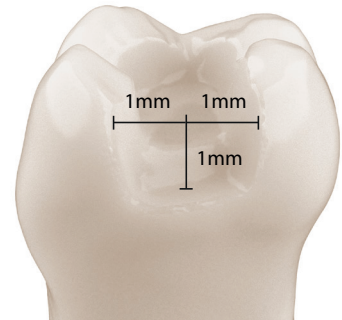
Veneer



Anterior Crown



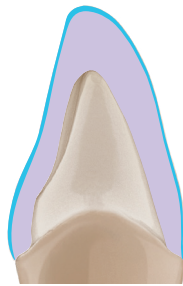
Posterior Crown



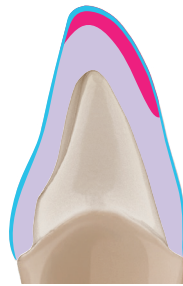
Inlay/Onlay

3. Block Selection

Processing Technique & Indications



Staining technique
HT / LT



Cut-back technique
HT / LT / MO



Layering technique
HT / LT / MO

- Rosetta[®] SM
- staining & glazing
- incisal veneering material
- veneering material

Indications

Table Tops	Thin Veneers	Veneers	Inlays	Onlays	Partial Crowns	Anterior Crowns	Posterior Crowns	3-Unit Bridges
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High Translucency

Low Translucency

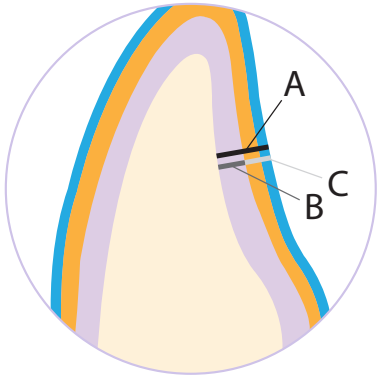
Medium Opacity

TIP!



For use in anterior and premolar bridge restorations can be expected.

4. Layer thickness



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

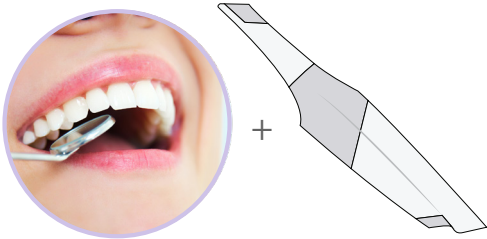
Dimensions (mm)

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

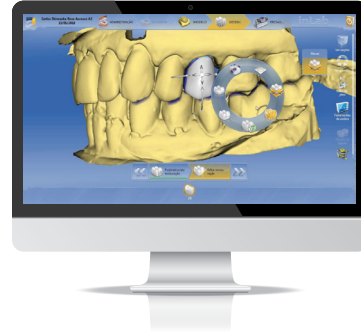
* Framework is to be thicker than veneering.

5. CAD/CAM Process

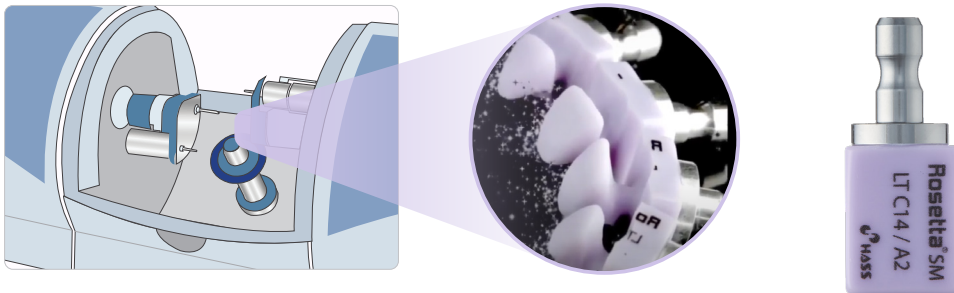
1. Imaging



2. CAD / CAM

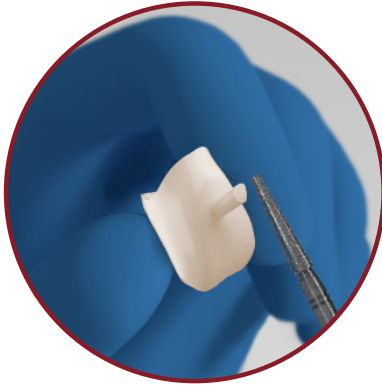


3. Wet grinding

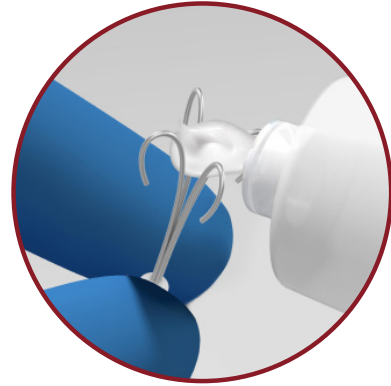


Rosetta SM is available in various CAD / CAM systems.

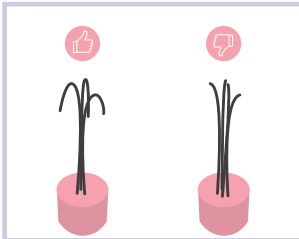
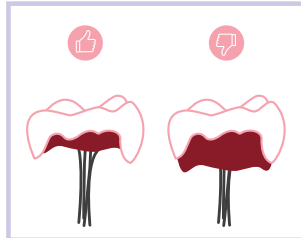
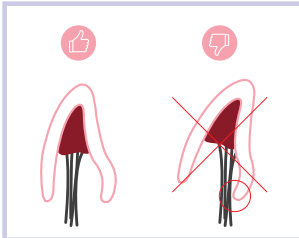
6. Before Crystallization



... Finish surface with grinding instrument.



... Use peg putty before crystallization.



TIP!



Use peg putty on thin-metal pin as little as possible to minimize the absorption of heat by peg putty.

7. Recommended Crystallization Schedule

PROGRAMAT¹⁾, FOCUS²⁾

Stand-by temperature B [°C]	Closing time S [min]	Heating rate t ₁ [°C]	Firing temperature T ₁ [°C]	Holding time H ₁ [min]	VAC1 /VAC2	Long-term cooling L [°C]	Cooling time t _l [°C]
400	3:00	60	840	10:00	550/840	700	0

1) PROGRAMAT is a registered trademark of IVOCLAR VIVADENT.

2) FOCUS is a registered trademark of Shenpaz.

Please follow our recommended crystallization schedule for best results.

The name of the menu on the schedule may vary depending on the furnace's model.

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 10~15 °C.

8. Characterizing



Ensure the surface is clean by removing bubbles.
At this time, it is also necessary to work while applying water.



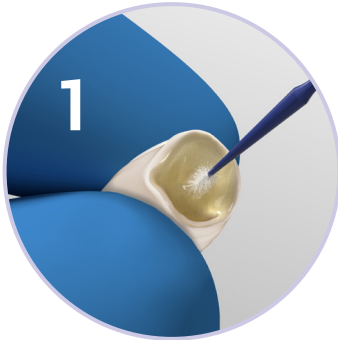
9. Staining & Glazing



Apply the stain in accordance with the target shade.
Select Stain & Glaze products that can be fired at temperature lower than 860°C.



10. Cementation



... After try-in, etch the inner surface with 5% hydrofluoric for 20 seconds. (4% for 30 sec is also available.)



... Rinse out with water and blow air to dry.



... Apply silane to the surface and blow air for 20 seconds to dry.



... Use self-adhesive resin cement to bond.

TIP!

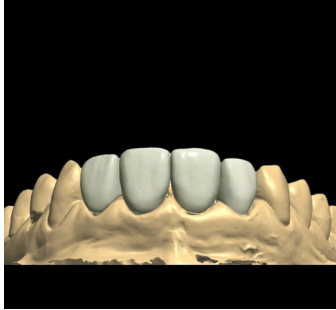


Keep to the recommended etching times; exceeding the time can cause fragility.

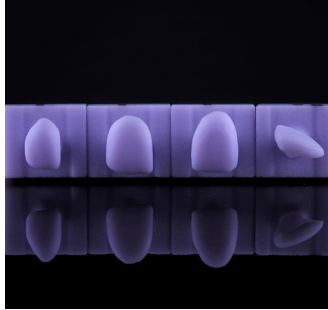


Refer to the manufacturer's recommendations on the use of silane.

11. Workflow / Case of Use



(1) Design



(2) Milling



(3) Stain & Glazing



(4) Cementation





(5) Final Restoration



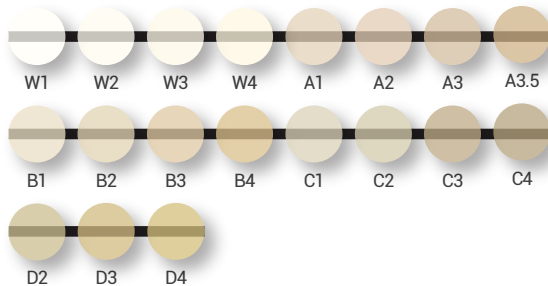
Courtesy of Dr. Alejandro Pineda _ *Lhasa Digital Dental Clinic* / 4 upper veneers

12. Product Line-up

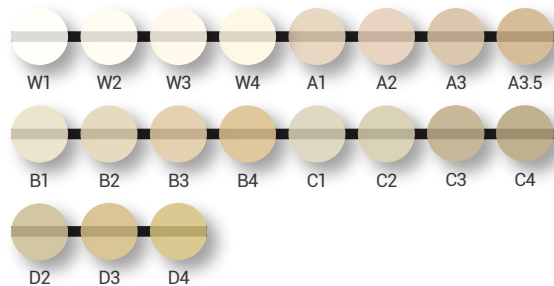
Rosetta SM		Dimensions (mm)	Pcs / Pack
	C12	10 × 12 × 15	5 Blocks
	C14	12 × 14 × 18	
	C32	14 × 14 × 32	3 Blocks
	C40	15 × 15 × 38	
	P9808	∅98 × 8T	1 Disk
	P9810	∅98 × 10T	
	P9812	∅98 × 12T	

Available Shades

HT(High Translucency)



LT(Low Translucency)



MO(Medium Opacity)



13. Indications / ContraIndications



Inlays



Onlays



Veneers



Anterior
Single Crowns



Posterior
Single Crowns



3-Unit Bridge
*up to the second Premolar

Contra-Indication

- Very deep subgingival preparations
- Maryland bridges
- Patients with severely reduced residual dentition
- Bruxism
- Cantilever bridges



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