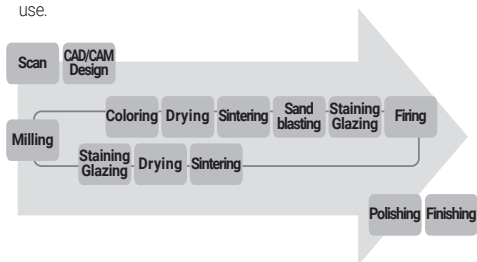


1. Overview

- (1) **Common Name:** Ceramic Block
- (2) **Trade/Device Name**
 - Zirtooth Multi Neo
 - Zirtooth UltraLuster
 - Zirtooth MultiLuster
- (3) **Indication for use**
 - **Zirtooth Multi Neo** : Anterior crown, Posterior crown, 3-unit bridge
 - **Zirtooth UltraLuster** : Anterior crown, Posterior crown, 3-unit bridge, Long-span bridge
 - **Zirtooth MultiLuster** : Anterior crown, Posterior crown, 3-unit bridge, Long-span bridge
- (4) **Intended Use of the Device**
Dental zirconia block used with CAD/CAM milling machine to produce dental prosthesis such as Full Contour crowns or copings.
- (5) **Type Class(ISO6872:2015)**
 - Zirtooth Multi Neo(Type 2, Class 4b)
 - Zirtooth UltraLuster(Type 2, Class 5)
 - Zirtooth MultiLuster(Type 2, Class 5)
- (6) **Packaging Unit:** Refer HASS standard package

2. Instructions for use

- (1) **Preparations for use**
Check the defects of the product for any damage or crack before use.



(2) How to use and handle

- ① Attach the JIG on the accurate position.
- ② Load the block or disk in the CAD/CAM machine.
- ③ Select or input the block or disk size on the CAD/CAM Software.
- ④ Set the required calibration information for processing.
- ⑤ Process the blocks by CAD/CAM machines.
- ⑥ Unload the processed blocks from the machine.
- ⑦ Detach the processed restoration units from the blocks.
- ⑧ Sinter the milled restoration unit in the sintering Furnace. (follow furnace instruction)

(3) Storage and maintenance after use

- ① Store the remaining block after fully drying up.
- ② Keep the product out of reach of infants and children.
- ③ Store the products in the package or after packing, not to be damaged.
- ④ Do not drop the product on the ground or apply heavy force as it may damage the product.
- ⑤ Do not reuse or recycle the remaining part once used.

⚠ 3. Cautions

- ① Please check cracks or fractures on the products before use.
- ② Be careful not to damage the milling tool of the CAD/CAM machine when attaching or detaching the product.

- ③ Be careful not to get your hand caught in the milling tool.
- ④ The jig should be attached to an accurate location.
- ⑤ Suppress or remove the dust which may occur during the operation of CAD/CAM machine.
- ⑥ Do not drop the product on the ground or apply heavy force as it may damage the product.
- ⑦ Keep the product out of reach of infants and children.
- ⑧ Product should be handled by dental technician.

4. Side effect

It the patient is known to be allergic to any of the components of Zirtooth Multi Neo, the material must not be used to fabricate restorations.

5. Contraindication

- If sufficient oral hygiene is not present
- In case of inadequate/inappropriate tooth preparation
- In case of insufficient hard tooth substance
- Bruxism

6. Storage and Maintenance

- 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°C ~ 40°C, in combination with relative humidity of 10% r.H ~ 90% r.H, under atmospheric pressures ranging from 500hPa ~ 1060hPa.

7. Mechanical and Physical Properties

Product	Unit	Coefficient of thermal expansion CTE(20-500°C)
Zirtooth Multi NEO Zirtooth UltraLuster Zirtooth MultiLuster	10 ⁻⁶ /K ¹	10.5 ± 0.5

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

8. Pictograms

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

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Sintering Schedule Chart of Sintering Parameters-Final Temperature

Zirtooth MultiNeo

Step	Temperature	Heating rate	Holding time
1 st	Room Temp - 1000°C	max 9°C	10 min
2 nd	1000°C - 1500°C	max 3.5°C	2hr
3 rd	1500°C - Room Temp	max 8°C	

Zirtooth MultiLuster / UltraLuster

Step	Temperature	Heating rate	Holding time
1 st	Room Temp - 1000°C	max 9°C	10 min
2 nd	1000°C - 1530°C	max 3.5°C	2hr
3 rd	1530°C - Room Temp	max 8°C	