

Instructions for Use

Dental Polish

Pearl Surface

Warning:

Pearl Surface Felt Wheel must not be used at speeds exceeding the maximum permissible speed of 7,000 rpm.

1. Introduction

Pearl Surface is a polishing material. It can be used for polishing the surface of the dental prosthesis by the rubbing motion.

2. Intended Use

Pearl Surface Z is a polishing material to produce glossy finish on the surface of Zirconia after morphological correction. It can also be used as polishing material for hybrid ceramics, milled blocks, and other ceramic surfaces.

Pearl Surface C and Pearl surface F are the materials for polishing porcelain surfaces. They achieve a natural glossy finish without degrading fine surface detail. They can also be used as polishing materials for hard resin and dentures.

3. Form, Materials and Specifications

Product Name	Form	Materials
Pearl Surface Z	solid	silicon carbide, diamond, oil
Pearl Surface C	powder	silicon oxide,
Pearl Surface F	paste	silicate solution
Accessory; Pearl Surface Felt Wheel	35 mm diameter & 10 mm thick	felt

Specifications

Product Name	Average Particle Size
Pearl Surface Z	1 μm
Pearl Surface C	40 μm
Pearl Surface F	10 μm

4. Directions for Use

(1) **Pearl Surface Z**..... for zirconia, porcelain, and hybrid resin

- Use diamond points "Meister Point" DP-06 and SC-51 (by Kuraray Noritake Dental) to get rid of roughness of the fired zirconia tooth surface.
- Use a polishing brush (soft) and apply Pearl Surface Z to the end of the brush. Lightly apply the brush to the surface of the teeth and repeatedly polish them until a glossy finish is achieved.
- After polishing, use a neutral detergent liquid to perform ultrasonic cleaning. For hybrid ceramics, use Pearl Surface Z to perform a final polishing on a buff after polishing with the brush in order to achieve an even shinier gloss.

(2) **Pearl Surface C**..... for porcelain (coarse polish)

Pearl Surface F..... for porcelain (fine polish)

- Smooth the surface after morphological correction by a paper-abrasive material.
- For middle aged and elderly patients who have less texture on the tooth surface, attach Pearl Surface Felt Wheel to a dental technician' s lathe, and coarsely polish using Pearl Surface C.
- Bake in a porcelain furnace without vacuum at a temperature which is 30°C to 40°C lower than that for the regular self-glazing.
- Finishing polish
For middle-aged and elderly patients:
Polish again using Pearl Surface C, and then do a finishing polish with Pearl Surface F.
For younger patients who has more textures on the tooth surface:
Do a finishing polish with Pearl Surface F only.
- After the finishing polish, perform an ultrasonic cleaning using water.

5. Handling and manipulation precautions

- These products must not be used inside the patient' s mouth.
- The use of these products is restricted to dentists or dental technicians.
- These products must not be used for purposes other than specified in [2. Intended Use].
- When using these products with materials related to these products, be sure to read the package inserts and instructions included with those materials before use.
- When using Pearl Surface Felt Wheel on a micro-motor, and be sure to insert the shank all the way in, checking to ensure it is not only in partway according to the micro-motor manufacturer' s instructions..
- When using Pearl Surface Felt Wheel with a lathe, and be sure to insert it into a brush adapter according to the lathe manufacturer' s instructions.
- Conduct some preliminary rotations before using Pearl Surface Felt Wheel to check for vibration and looseness.
- Pearl Surface Felt wheel and its shank are susceptible to cracking and bending, so avoid using it at excessive angles or pressures.

6. Safety precautions

- If a dentist or a dental technician demonstrates a hypersensitivity reaction, such as rash or dermatitis, discontinue use of the product and seek medical attention.
- Wear protective goggles to prevent the dust from getting into your eye while using these products. If the dust got into your eye, immediately rinse with copious amounts of water and consult a physician.
- These products contain silica. Long-term inhalation of free silica can damage the lungs, so to avoid the effect of particles on your health, a local dust collector or officially approved dust mask should be used.

7. Storage precautions

- These products must be stored in a proper place where only dental personnel can access.
- These products should be stored in a container with the lid properly sealed at room temperature (1-30°C) in order to keep them in good condition.

8. Packaging

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| (1) Pearl Surface Z | 20 g |
| (2) Pearl Surface set | |
| • Pearl Surface C | 1 kg |
| • Pearl Surface F | 200 g |
| • Pearl Surface Felt Wheel | 2 pcs |
| (3) Refills | |
| • Pearl Surface C | 1 kg |
| • Pearl Surface F | 200 g |
| • Pearl Surface Felt Wheel | 6 pcs |

Manufacturer:

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