

PMMA BLOCK

Instructions for Use

This product is a homogeneous, high-polymer material made from quality polymethylmethacrylate (PMMA) added with cross-linking agents to improve the network structure through a unique polymerization molding technology.

I. Indications

PMMA BLOCK particularly suitable for making removable or temporary dental structures such as crowns and bridges using milling technology using CAD/CAM.

Indications for Use:

- Temporary anterior and posterior crowns;
- Temporary anterior and posterior bridges;
- Implant surgical guide;
- Removable structures for dentures;
- Removable structures for therapeutic restorations (night guards, bite splints or occlusal splints).

II. Contraindications

Not to be used for patient known to be allergic to methacrylate resins.

III. Side effects

This product or one of its components may cause hypersensitive reactions.

IV. Technical Parameters

Properties	Parameter
Flexural strength	$\geq 50\text{MPa}$
Water absorption	$\leq 40\mu\text{g}/\text{mm}^3$
Solubility	$\leq 7.5\mu\text{g}/\text{mm}^3$

V. Operating Procedures

1. Procedure

After being milled by computer-aided manufacturing (CAM), use a fine cross-cut tungsten carbide bur to cut off the sprue. If white spots are visible caused by the diamond tools, these spots can be easily removed with a tungsten carbide bur without affecting the quality of the product. Try-in the restoration to test its fit and occlusion.

2. Polishing

Restorations can be pre-polished with a suitable silicone polisher and a small goat-hair brush. Standard acrylic polishing agents are also suitable for intraoral use. Avoid creating excessive heat. Careful polishing is absolutely necessary to achieve perfect results in order to avoid accumulation of plaque and other related negative effects on shade.

3. Cleaning

Place the finished restoration in the ultrasonic unit for about 1 minute. Content of the alkaline cleaning solution should be a maximum of 10% and a maximum temperature of 40 °C. Avoid cleaning with steam and compressive stress.

4. Seating of restoration inside the mouth

After preparing the tooth, use the shade tabs to compare the shade and confirm the shade of the restoration. Seat the temporary restoration with a temporary adhesive cement. Remove excess cement. All provisional cements/adhesive

materials are suitable. If the restoration is to be cemented adhesively, eugenol-free cementing materials must be used. Please follow corresponding cement manufacturers' instructions for use.

VI. Storage Condition

This product should be stored in a dry place; avoid sunlight. Storage temperature: -18 to 33°C.

VII. Precautions

1. Product must be worked on with a local dust extraction system.
2. Wear a face mask and protective glasses to prevent inhalation of grinding dusts, contact with eyes, skin or mucosa.
3. Use with caution if one is allergic to acrylic resin materials.
4. Ensure restoration is properly cleaning before placing into the patient's mouth.
5. This product is a special material for the department of stomatology; a temporary restoration is for one-time use only and to be used only by certified professionals. Keep product away from children.

VIII. Symbols for use in the labeling



Manufacturer



Authorized representative in the European Community



Use-by date



Batch code



Caution: U.S. Federal Law restricts this device to sale by or on the order of a dentist or professionals.



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