



PREMIOtemp instruction manual

Product description

PREMIOtemp PMMA blanks are homogeneous high-polymer milling discs to be used in dental CAD/CAM milling machines. PREMIOtemp blanks are made of high quality PMMA (Polymethylmetacrylate), with cross-linking agents added to optimize the network structure of the material.

This, in combination with a unique polymerization molding technology, creates the ideal material properties of the PREMIOtemp blanks.

Indication:

Fabrication of long-term provisional crowns and bridges of any span, fully anatomical or reduced, in the anterior or posterior, with up to two pontics with dental CAD/CAM milling systems.

Working instructions:

• Finishing after milling:

To remove the milled restoration from the PREMIOtemp PMMA milling blank, the holding bars are cut off with a fine cross-cut tungsten carbide bur. If white spots, caused by diamond tools, can be seen on the surface after milling, these spots can be easily removed with a tungsten carbide bur, without effecting the quality of the restoration.

• Polishing:

PREMIOtemp restorations are pre-polished with a suitable silicone polisher and/or a small goat-hair brush. As polishing compounds, the standard acrylic polishing materials are used, that are usually suitable for intraoral polishing. Excessive heat generation during polishing needs to be avoided at all times. Careful polishing is absolutely necessary to achieve a perfectly smooth surface to avoid plaque accumulation and its negative consequences.

• Cleaning:

For cleaning, the finished restoration is put into an ultrasonic cleaning unit for one minute. The alkaline cleaning solution must have a concentration of no more than 10% and the liquid temperature must not exceed 40°C. Steam cleaning results in heat and compressive stress and must be avoided.

• Cementing the restoration:

First, the fit of the PREMIOtemp restoration is checked in the patient's mouth and then the shade is verified with the relevant shade guide. When fit and shade are correct, the provisional is inserted with temporary adhesive cement. Any excess cement material needs to be fully removed. All provisional cements and/or adhesive materials are suitable. If the definitive restoration is to be cemented adhesively, eugenol-free cementing materials must be used. The instructions of the respective manufacturers need to be observed.

Storage conditions:

PREMIOtemp should be stored in a dry, shady place, avoiding direct sunlight. Storage temperature: -18°C bis +33°C.

Safety instructions:

- PREMIO PMMA Blanks may only be worked on under a local work bench dust suction unit.
- Wear dust mask and protective glasses to prevent dust particles entering mouth and eyes, or having contact with the mucosa.
- Users who react allergic to acrylic resin materials should be especially careful when working with PREMIOtemp.
- The provisional restoration must be thoroughly cleaned, before it is inserted in the patient's mouth.

- PREMIOtemp was especially developed as a material for temporary restorations in dentistry and must only be used by dental professionals.
- A milled PREMIOtemp restoration can only be used for one patient and for one time.
- PREMIOtemp is to be kept out of the reach of children.

Technical Data:

Bending resistance	>120 MPa
Tensile strength	>50 MPa
E-Modulus	>2200 MPa
Water absorption	<40µg/mm ³
Solubility	<7,5µg/mm ³

Manufacturer:

Primotec Joachim Mosch e.K.
Tannenwaldallee 4
61348 Bad Homburg, Germany
Tel.: +49 6172 997700
Fax: +49 6172 9977099
E-Mail: primotec@primogroup.de

PRT18-PR301-ML – 09.05.2018

