

## INSTRUCTION FOR USE

### PRODUCT GROUP OF PMMA DENTAL BLANK



**Manufacturer:** BİLKİM TIBBİ ÜRÜNLER SAN.TİC.LTD.ŞTİ

1212/1 Sk. No:1/1 Menemen, Izmir/TURKEY

**Product/Product Type:** PMMA dental blank for temporary restorations

**Product Form:** Discs or blocks in different sizes and colours

**Material Type:** Polymethylmethacrylate (PMMA)

#### INDICATIONS/INTENDED USE

##### Types of PMMA Dental Blank

- PMMA BLANK FOR CAD/CAM APPLICATION, OPEN SYSTEM (Dia. 98 mm)
- PMMA BLANK FOR CAD/CAM APPLICATION, A SYSTEM (Outer Dia. 100.40 mm)
- PMMA BLANK FOR CAD/CAM APPLICATION, Z SYSTEM (Dia. 95 mm)
- PMMA BLANK FOR CAD/CAM APPLICATION, M SYSTEM (76 mm x 38 mm)
- PRISM PMMA BLANKS, S SYSTEM
- PRISM PMMA BLANKS, V SYSTEM

The tooth-colored products (A1-D4) of the above-mentioned types are suitable for the production of temporary crowns, bridges, inlays, onlays, etc., which are later replaced by permanent prostheses.

The pink colored product of the above-mentioned types are used for the production of denture bases. The transparent product of the above-mentioned types are used for the production of splints.

#### CONTRAINDICATIONS

- Do not use the material where there are known allergies to any of the components or contact allergies.
- Do not use the material if it is not possible to prepare it in the manner described.
- Do not use the material if the prescribed machine templates for milling the blanks cannot be used.
- Do not use the material in patients with parafunctional disorders (e.g. bruxism).
- Do not use the material for permanent restorations.

#### INSTRUCTIONS FOR USE

##### Framework:

- Max. 2 pontics and max. 1 end pontic is permitted for the posterior teeth.
- The minimum wall thickness (without veneer) is 1.0 mm (occlusal), 0.6mm(cervical)
- Connector cross sections incisors >10 mm<sup>2</sup> a posterior teeth >15mm<sup>2</sup>

##### Milling

- Always mill the material in an ambient temperature of 20°C-25 °C (68°F-77 °F).

- Please adhere to the instructions of your milling system.
- CAD/CAM Blanks PMMA are suited to dry processing only.
- All tools used must be suited to processing PMMA. We recommend sharp- edged radius mills.
- The milling parameters strongly depend on the milling system, on the CAM software and on the milling geometries. If you are uncertain, please use your parameters for PMMA.

### **Separating the Finished Work**

The finished work should be carefully separated from the blanks using a mill to stab out the material (stitching mill).

### **Finishing/Polishing:**

- Finish with clean, cross-toothed hard-metal mills.
- In order to avoid thermal damage, ensure low speed, a minimal contact pressure force and a suitable amount of cooling.
- To polish, use conventionally available, high-gloss composite polishing pastes, goat hair brushes and cotton buffs.

### **Caution:**

- Do not over heat the acrylic when using mills, steam cleaners etc.
- When grinding, the thickness of the framework must not fall below 0.4mm.

### **Cleaning the frameworks**

- Alcohol in high concentrations generally causes tiny cracks. Therefore, do not use alcohol-based cleaning agents or disinfectants.
- When steam-cleaning, do not overheat the surfaces.
- Alternative cleaning methods are mechanical cleaning methods.

### **Veneering**

- All standard veneering materials, that are suitable for PMMA.

### **STORAGE**

- Protect from heat and direct sunlight.
- Store in a dry place at room temperature (5°C -35°C / 41°F-95°F).
- Do not use after the expiration date.

### **Duration of Use in Mouth**

- The product is suitable for use up to 6 months.

### **Explanation of the Markings on the Packaging**



Symbol for Manufacturer Information



Symbol for Manufacturing Date



Symbol for Lot Number



Symbol for Catalogue Number



Symbol for Temperature Limits



Symbol for Expiration Date



Symbol for Keep Away from Direct Sunlight

eIFU indikator



Symbol for Follow the Electronic Instructions for Use



Symbol for Non-sterile Product



Confirmation: The product complies with the applicable European Directives



Do not use if the package is damaged



It can be broken, handle with care



Keep it dry.

**BILKIM**  
POLYWAX & PERFECTWAX