

M-PM[®] Disc, PMMA milling blank without fillers and fibres

tooth colour, pink, clear



usa Instructions for use, please read carefully!

Note: The M-PM[®] Disc is designed for milling equipment from imes-icore, Organical, Zirkonzahn or equivalent

Caution: Federal (USA) law restricts this device by or on the order of a licensed dental practitioner.

Intended use

- **M-PM[®]-Disc, tooth colour**, for use as a milling blank in the fabrication of provisional crowns and bridges.
- **M-PM[®] Disc, pink** for use as a milling blank for the fabrication of denture bases for removable dentures.
- **M-PM[®] Disc, clear**, indicated for the fabrication of removable bite splints such as mouthguards and nightguards.

Contraindication M-PM[®] Disc, tooth colour, pink and clear

- Hypersensitivity to acrylate compounds

Composition

M-PM[®] Disc, tooth colour, pink

- Polymethylmethacrylate (PMMA) and cross-linked polymers based on methacrylic acid esters
- Colourants
- Residual peroxide as dibenzoyl peroxide
- Methylmethacrylate (MMA) may be contained as residual monomer up to max. 1%.

M-PM[®] Disc, clear

- Polymethylmethacrylate (PMMA) and cross-linked polymers based on methacrylic acid esters
- Residual peroxide as dibenzoyl peroxide
- Methylmethacrylate (MMA) may be contained as residual monomer up to max. 1%.

General information on M-PM[®] Disc constructions (tooth coloured, pink, clear)

- Minimum wall thickness after polishing ≥ 1 mm

Special information on M-PM[®] Disc constructions, tooth colour

- In the construction of bridges with one pontic, the connection cross-section between the crown and pontic must not be less than 9 mm².
- In the construction of bridges spanning up to two pontics, the connection cross-section between crowns and pontics must not be less than 12 mm².
- By selecting the respective fixation system according to the indication, the user has to decide case-by-case whether the OMP-N[®] (PMMA) material ensures sufficient chewing stability for the restoration.

Veneering of PMMA substructures (M-PM[®] Disc, tooth colour)

- A milled PMMA substructure can be veneered with conventional appropriate materials. It is recommended to use material on a MMA basis.
- For composite veneers, the bond to the PMMA must always be done according to the instructions of the manufacturer.

Notes for the user

Trimming

- Cross-cut carbide burs suitable for resin or suitable cutting discs should be used to rework and separate crowns, bridges, denture bases, bite splints and drilling templates from the blank.
- To prevent inaccurate fitting after fabricating the construction, avoid excessive heat development during trimming and polishing.

Restoration M-PM[®] Disc, tooth colour, pink colour, clear

Crowns, bridges, denture bases, bite splints and drilling templates, which have been fabricated from the M-PM[®] Disc can be restored and supplemented at any time with all standard MMA-based cold-curing polymers, such as Weropress[®]. Prior conditioning of the surface is necessary, preferably with a standard MMA-based bonding agent.

Fixation in the mouth (M-PM® Disc, tooth colour)

for the temporary restoration
- temporary cements

for long-term temporary restorations
- glass ionomer cements without bonding

Wear period

- Can be worn up to 3 years

Storage

- No special measures required. See label for expiration date.

Notes

- Changes to the construction through use, e.g. due to fissures, cracks, clouding or significant signs of abrasion, necessitate a repair or refabrication. Monitoring should be carried out with regular assessment of the denture at the follow-up presentation in the dental surgery.
- Record the LOT number with every process that requires identification of the material.
- To ensure traceability and assignment of the product data as well as the LOT numbers for the patient at any time, it is recommended to store the milling blank in the original packaging during two milling operations.

Risk phrases

Processing PMMA discs may generate dust which can lead to mechanical irritation of the eyes and airways. Therefore, always ensure that the extraction system on your milling machine and at the workplace is working properly for individual post-processing and that you are using personal protective equipment.

For detailed information please see the applicable Material Safety Data Sheet, available upon request or as download from www.merz-dental.de.

Disposal

- Residues from processing the M-PM® Disc have to be disposed of as residual waste.

The product properties are based on compliance with and observation of these instructions for use.

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