

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

tooth colour, pink colour, clear



(en) Instructions for use, please read carefully!

Intended use

- **M-PM-Disc, tooth colour**, for functional restoration by replacement of lost tooth substance in permanent dentition in the form of temporary crowns and bridges in the anterior and posterior regions as well as for planning aesthetic corrections with the aid of temporary non-prep test veneers in the anterior region

Indication

- Loss of hard tooth substance and resulting aesthetic impairment

- **M-PM® Disc, pink colour**, replacement of lost soft tissue in the oral region with a denture base

Indication

- Total or partial tooth loss

- **M-PM® Disc, clear**, removal of overburden or incorrect burden of hard tooth substance, the periodontal apparatus and the mandibular joints with splints (occlusal splints) / fabrication of patient-customised drilling templates for the correct positioning of implants

Indication

- Physiological dysfunction leading to abrasion of hard tooth substance
- Complete loss of individual teeth

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

- Hypersensitivity to acrylate compounds

Composition

M-PM® Disc, tooth colour, pink colour

- 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

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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 frameworks, crowns, bridges (M-PM® Disc, tooth colour)

- Milled PMMA frameworks, crowns and bridges may be coated with conventional veneering materials. Materials based on MMA are preferable here.
- When veneering with composites, such as SunCera light-curing crown and bridge composite, the connection with the PMMA must always be made according to the respective manufacturer's specifications.

Trimming

- Cross-cut carbide burs suitable for resin or suitable cutting discs should be used to rework and separate frameworks, 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

Frameworks, 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 Combipress N/LM, Weropress® or artConcept®. Prior conditioning of the surface is necessary, preferably with artConnect or a similar MMA-based bonding agent.

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

- | | |
|-------------------------------|---|
| for the temporary restoration | for long-term temporary restorations |
| - temporary cements | - glass ionomer cements without bonding |

Fixation of test veneers

- The aesthetic try-in of test veneers must be performed by professional staff.
- During the wear duration of the test veneers, refrain from eating and drinking, otherwise there is a risk of swallowing the applied test veneers.

Wear period

- Can be worn up to 3 years

Storage

- No special measures required.

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.

Warnings

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

Disposal

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

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

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

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