

sagemax[®]



Instructions for Use

PMMA Disc
for CAD/CAM technology

sagemax.com

Description

Sagemax PMMA Disc is made for fabricating provisional restorations by a CAD/CAM technology.

Mechanical Properties

- › Flexural Strength ≥ 50 MPa
- › Water sorption according to ISO 10477 ≤ 40 $\mu\text{g}/\text{mm}^3$
- › Solubility ≤ 7.5 $\mu\text{g}/\text{mm}^3$

Composition

- › Polymethyl methacrylate (PMMA)
- › Color pigments

Indications

- › Sagemax PMMA Disc is made for manufacturing of provisional dental prosthesis.
- › Applications include: Anterior, posterior crown and bridges up to 2 pontics for a maximum wear period of 6 months.

Contraindications

- › Insufficient tooth structure reduction.
- › Insufficient tooth structure for proper adhesion and force distribution.
- › Insufficient oral hygiene.
- › Insufficient interproximal space for sufficient joints in bridges.
- › Known allergies. Known incompatibilities to product composition.
- › Permanent cementation.

Design Parameters

- › For crowns, do not fall below the minimum wall thickness of 1 mm.
- › When designing bridges with one connected pontic, the connection cross-section between crown and pontic unit may not be less than 12 mm².
- › When designing bridges with a range of up to two connected pontics, the connection cross-sections between crown and pontics may not be less than 12 mm².

Finishing

For trimming and separating frameworks, use a cross-cut tungsten carbide or separating disc suitable for acrylics.

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.

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/104 °F. Avoid cleaning with steam and compressive stress.

Seating

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. Ensure a rough surface inside the restoration for an increased retention. 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.



HAZARD WARNINGS

Do not inhale grinding dust during processing of Sagemax PMMA Disc that can cause irritation of the eyes, skin and airways.
Therefore, always ensure that the extractor on your milling machine is functioning perfectly.

Hints

Should intolerance to the product be suspected, use it only after an allergy screening test has been performed. Disinfect the milled parts before inserting them in the patient's mouth. These instructions for use are based on current levels of product knowledge. The user will be held fully responsible in regards to correct use of the product. The manufacturer is not liable for any unsatisfactory results, as he has no control of the processing procedures. The dental technician shall inform the dentist regarding the operations to be performed before inserting the restoration into the patient's mouth, making sure that the dentist has received all of the information contained in these instructions for use.

Storage

- › Protect the materials from direct sunlight and store in a dry place (-18 to 33°C, 0 to 91 °F).
- › Observe the storage instructions and expiry date on the outer packaging.
- › Avoid sunlight.
- › Keep out of reach of children.



Made for

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CE 0123

RX only
For dental use only

This material has been developed solely for use in dentistry and must be processed according to the Instructions. Liability cannot be accepted for damages resulting from misuse or failure to observe the Instructions. The user is solely responsible for testing the material for its suitability for any purpose not explicitly stated in the Instructions. This also applies when the materials are mixed with or used together with products from other companies.

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