# Implant Mask

GB

Instructions for use

## Flexible gingival mask for dental laboratory implant models, A-silicone based 1:1, light bodied, normal setting

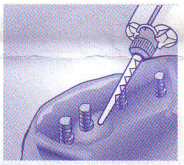

Fig. 1

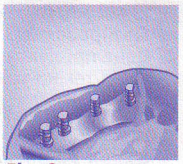

Fig. 2

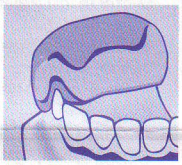

Fig. 3

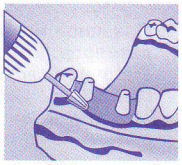

Fig. 4

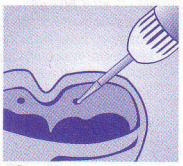

Fig. 5

## 1. Preparation

*a) Fabrication by direct method, application to impression*

Mark the edge of the gingival areas for the impression with soft wax or similar. Then insulate this area by spraying lightly with silicone **Separating Agent**. Drying time 30 sec. Silicone **Separating Agent** is suitable for A- and C-silicones and polyether impression material.

For the application of **Implant Mask** with the mini-mix cartridge, always use a mixer with a fine tip. Inject directly around the impression or transfer posts and leave the tip of the mixer in the material during dispensing (Fig. 1). Dispense with steady pressure. Ensure that the **Implant Mask** has the desired dimensions.

Continue model fabrication only after the **Implant Mask** has set completely (Fig. 2). Any separating medium residues on the laboratory posts can be removed with isopropyl alcohol. Insulation of the mask against plaster or resins is not necessary.

*b) Fabrication by indirect method, on the model*

To fabricate the **Implant Mask** first make a silicone mould of addition- or condensation curing putty (e.g. **blue eco** or **compact lab putty**), which covers all of the areas of the unsawn model to be reproduced (Fig. 3). An available impression can be used as mould after removing the tray. Remove any areas in the index or impression that are in the way outside the gingival mask region so that it can be repositioned easily on the model.

Reduce the regions of the model that are to be reproduced by **Implant Mask** by milling (Fig. 4). Take care to remove enough material to ensure the later thickness of the mask. Sawing and working the dies can take place before or after mask fabrication depending on the situation. If sawing is performed beforehand, block out the saw cuts.

Drill one or more injection openings (palatal/lingual) in the silicone. Drill air vent channels through the mould with a round bur starting from the highest points of the mask (Fig. 5), clean the mould and insulate it on the inside by spraying lightly with silicone **Separating Agent**. Drying time 30 sec. Put the mould back on the model, check that it is seated exactly and fix it.

Inject material quickly through the injection opening of the mould with the mini-mix cartridge (Fig. 6). Inspection: air vent channels must be filled with silicone. Demould the mask only after complete setting. Setting can take place in the pressure pot under pressure (max. 2.5 bar), not in water and without the addition of heat.

## Indications for use:

Uses Gingival mask for:
- Implant constructions
- Combination technique
- Master and saw models

## Technical data:

- **Mixing volume:** 10 ml (cartridges)
- **Mixing ratio:** 1:1
- **Colour code:** base: dark red catalyst: white
- **Mixing time:** omitted (mini-mix system)
- **Working time:** ca. 2 Min.*
- **Setting time:** ca. 5 - 6 Min.*
- **Recovery from deformation:** > 99 %
- **Linear dimensional change:** < 0,3 %
- **Application:** at 23 °C ± 2 °C / 73 °F ± 4 °F, 50 ± 5 % rel. humidity

* from initiation of mixing at 23 °C ± 2°C/73 °F ± 4 °F, 50 ± 5 % rel. humidity. Increased temperatures accelerate, decreased temperatures retard these times.

## Ordering information:

**Implant-Mask**

Standard packing **02529**
Cartridges of 2 x 10 ml
6 Mixing cannulas,
light green

Mixing cannulas **02605**
light green 1:1, 25 pcs.

Separating Agent **02690**

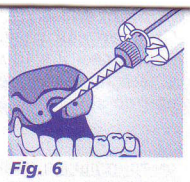

Fig. 6

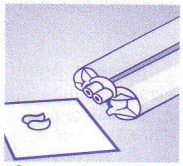

Fig. 7

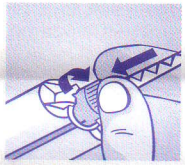

Fig. 8

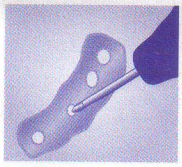

Fig. 9

## 2. Mixing and applying

The material is extruded with the mini-mix system. Place the plunger in the body of the cartridge. Remove the cartridge cap by twisting off. Before attaching the mixing cannula extrude a small amount of material until silicone is dispensed evenly from the two openings (Fig. 7).

To attach the mixing cannula, note the guides on the cannula and cartridge. Lock by turning them in opposite directions (Fig. 8). Proportioning can now take place individually. Dispense the material with steady pressure. After use leave the mixing cannula on the cartridge until the next use.

## 3. Processing

When the mask has been fabricated on the model, remove the mould carefully from the model, trim any casting residues from the air vents with a scalpel and remove the mask. Remove any flash with a scalpel or sharp scissors.

Further processing of the removed mask is possible with suitable rotating tools (Fig. 9) (Molloplast® cutters, grinding wheels, tungsten carbide drills and arbors).

## Important working hints

- **Implant Mask** does not undergo any changes in dimensions.
- Latex gloves and latex-contaminated surfaces can affect the setting of Implant Mask.
- The exact fit of the impression posts and model implants must be checked prior to fabrication.
- For demo and presentation models **LUSTROL** gloss varnish can be applied for a high-gloss surface.

**aprox. 2 min.**

Workting time

**aprox. 5 - 6 min.**

Setting time

separating liquid for silicones, vaporizer of 15 ml

LUSTROL **03008**
gloss varnish bottle of 6 ml
catalyst, bottle of 6 ml

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