

# GI-MASK® Automix

New Formula

## Instructions for use

EN

### Definition

GI-MASK Automix *New Formula* is a medium viscosity, thixotropic and dimensionally stable dental impression material, based on an A-silicone for use in dentistry with an automatic mixing device, for the construction of gingival masks in dental laboratories.

### Material type

Polyvinylsiloxane, addition-type, silicone elastomer.

Base: pink



Catalyst: white

ISO 4823, Typ 2, medium body consistency.

### Indications

- Quick and accurate reconstruction of the complete contour of the gingiva around the preparation on the model. It is particularly suitable for single crowns, bridges, implants, combination and telescopic work.
- For implant techniques, a fast and direct application of the model analog is possible because of the special viscosity. Thus, the production of a Lab Putty key (e.g. COLTENE Lab-Putty) is no longer necessary.
- For polyether impressions: Indication with the indirect technique described under "Application 1: Indirect technique". For the direct technique, please use COLTENE Gi-Mask C-Silicone, Art.No. 8030.

### Clinical time

≥ 9:00 min (at 23 °C / 73 °F)	
working time  ≤ 2:00 min	setting time  ≥ 7:00 min

### Contra-indications

This material can not be used for epitheses.

### Side effects

Polyvinylsiloxanes have very good biological compatibility and no harmful reactions or secondary effects on users are known.

### Interactions

Skin secretion, latex gloves and surfaces contaminated by these gloves (teeth, preparations, retraction cords, etc.) may interfere with the setting process of polyvinylsiloxanes. Compounds containing eugenol or hemostatic substances can also impede perfect setting.

### Mixing and application of GI-MASK Automix *New Formula*

1. Insert the cartridge filled with GI-MASK Automix *New Formula* into the opened retainer plate of the 50 / 75 ml COLTENE Dispenser. Close retainer plate.
2. Remove cartridge cap.
3. Squeeze the trigger slowly and extrude a small quantity of base and catalyst on a paper towel until it is evident that both are flowing equally.
4. Remove any contamination with a towel.
5. Seat the mixing tip onto the cartridge and twist a ¼ turn clockwise to lock it in place.
6. Place applicator tip on mixing tip.
7. Eject material by pulling the trigger.
8. After using the cartridge don't remove the mixing tip. This seals the cartridge until it is used again and prevents cross contamination.
9. Only remove the mixing tip directly before the device is to be used again.

### Application 1: Indirect technique

1. Build a mould by creating a bank around all parts of the model to be masked, using a lab silicone (e.g. COLTENE Lab-Putty).
2. Grind away a layer of material in those areas to be modeled in GI-MASK Automix *New Formula*.
3. Cut several injection holes into the silicone mould from the palatal and lingual side. To avoid an increase of the Gingiva mask also drill air vents into the mould from the buccal/labial side. (It is important to place the holes on prepared areas).
4. Spray the whole surface of the prepared key (e.g. COLTENE Lab-Putty) evenly with GI-MASK Universal Separator and air dry it for at least 5 minutes.
5. Afterwards position on the sectioned and trimmed model.
6. Hold matrix securely in place. Start injecting the material with mixing and application tip into the first hole (e.g. palatal/lingual side) until the COLTENE GI-MASK Automix *New Formula* material extrudes from the hole on the opposite side (buccal). Continue with the second hole (palatal/lingual side) and so on.
7. GI-MASK Automix *New Formula* will set in approximately 9 minutes, from the start of the mix. As soon as the GI-MASK Automix *New Formula* has set, carefully remove the matrix from the model.
8. Cut the retentions in the area of the inlet and outlet ducts and lift the GI-MASK Automix *New Formula* from the matrix using a scalpel.
9. Remove any excess material with fine scissors, a surgical knife or a rotary instrument for silicones (e.g. Trimmer for silicones, Art.No. 8075).
10. The gingival mask can now be removed easily from the model and repositioned.


### Application 2: Direct technique

1. Rinse the impression with running, luke-warm water, clean and disinfect.
2. Evenly spray the complete impression with GI-MASK Universal Separator and air dry it for at least 5 minutes. Inject GI-MASK Automix *New Formula* directly in the impression.
3. Syringe around the model analog (implantology) up to 5 mm by using the application tip.
4. Wait until GI-MASK Automix *New Formula* has set in about 9 minutes, from the start of the mix.
5. Pour the impression with plaster.
6. After setting of the gypsum carefully remove material from the model.
7. Remove any excess material with fine scissors, a surgical knife or a rotary instrument for silicones (e.g. Trimmer for silicones, Art.No. 8075).
8. The gingival mask can now be removed easily from the model and repositioned.

### Shelf life and storage

GI-MASK Automix *New Formula* fulfills the intended purpose at least until the expiry date, which is displayed on the packaging. Store in well-sealed containers. The material should be stored at room temperature, avoiding exposure to direct sunlight or other heat sources.

### Marking

The expiry date and  number are shown on the package and cartridge.

### Technical data ISO 4823

Measurements are based on 23 °C / 73 °F room temperature and 50% relative humidity. (Higher temperatures shorten and low temperatures lengthen the times)

Mixing time:	0:15 min
Total working time:	3:00 min
Recovery after deformation:	99.8 %
Strain in compression:	5.1 %
Dimensional change:	- 0.2 %

Only supplied to dentists and dental laboratories or upon their instructions.





### Caution

Federal law restricts this device to sale by or on the order of a dentist.

### SAFETY DATA SHEET

[www.coltene.com](http://www.coltene.com)

### Glossary

-  Consult instructions for use
-  Keep away from sun light
-  Temperature limitation
-  Expiry Date

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