



DMG

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# Honigum<sup>®</sup> - Mono



CE

Honigum-Mono is an innovative A-silicone monophase impression material. The material is available in three different application forms: ready-to-use pre-filled MixStar cartridges suitable for use in DMG MixStar and other commercially available mixing machines, Automix safety-cartridge, and a handmix version.

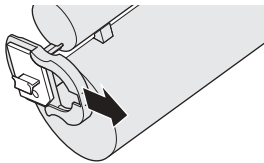
### Indication

Impressions for crown and bridges, onlay, inlay and functional impressions as well as pressure-spot indicator and all types of pickup impressions, e.g. for implants

### Handling of the MixStar-Cartridge

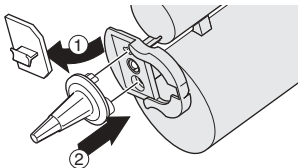
#### Use in DMG MixStar

Please also refer to the respective instructions for use of the corresponding equipment.



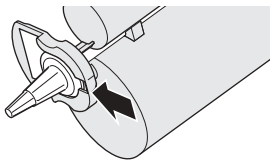
1. Slide locking mechanism into open position.

**Do not remove the locking mechanism from the cartridge!**

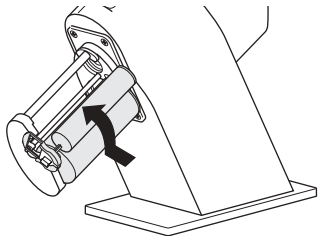


2. Remove and discard the cap on the openings of base and catalyst outlets and attach a new mixing tip.





3. Secure the mixing tip by sliding the locking mechanism into locked position.



4. Insert the cartridge into the MixStar machine. A brief acoustical signal confirms the correct insertion of the cartridge.

**Fresh cartridges are readied by discarding the first 3 cm of impression material that is extruded.**

**Leave used tips on the cartridge after use. They serve as a cap.**

#### **Use in Other Mixing Units**

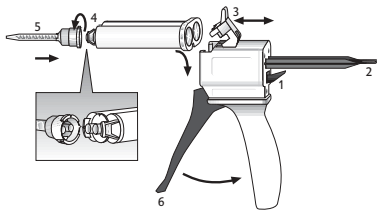
When using the MixStar-cartridge in mixing units of other manufacturers, insert the cartridge into the unit without the mixing tip first since, in this case, proper mixing is not warranted. Proceed in this case as described in "Exchanging the mixing tip" and refer to the instructions for use of the corresponding equipment.



## Exchanging the Mixing Tip

Attach a new mixing tip before each use! For this, pull and remove old mixing tip and remove possible blockings from the cartridge opening. Attach a new mixing tip on the hex rod first. Ensure that the drive rod properly engages the mixing tip by slightly rotating it. Align the mixing tip with respective outlets on the cartridge and attach it to the cartridge.

## Handling of the Automix-Cartridge



1. Push up the small lever (1) in the back of the Applicator Gun and completely retract slide

(2). Lift plastic lever (3) on top of gun and insert cartridge. Note that notch on bottom of cartridge aligns with the notch on Applicator Gun. Push down firmly on lever (3) to lock in cartridge.

2. Before attaching a mixing tip, remove cartridge cap (4) by turning 90° counter clockwise, pull and remove it. Insert a new mixing tip (5). Line up the notch on the tip with the corresponding notch on the cartridge. Turn it clockwise 90° until it locks in position.

3. The material is mixed in the tip by pulling the trigger (6) of the dispenser and can be applied directly.

**When using a cartridge for the first time, express a "pea" size amount of material and discard.**

**Leave the used tip on the cartridge until next use. It serves as a cap.**

4. Push up lever (1) in the back of the Applicator Gun and pull slide (2) flush. Lift plastic



lever (3) on the top of gun and remove cartridge.

## Handling of the Handmix-System

At room temperature, mix equal lengths of base and catalyst paste with a spatula on the mixing pad for 30 seconds to a homogeneous turquoise color.

Close tubes immediately after use. Do not interchange caps of tubes.

## Recommended Use

### Impression Tray

Honigum-Mono can be used in all common nonperforated impression trays. Best results are obtained when Honigum is used in individual trays. To get better adhesion to metal or plastic trays, a tray adhesive may be applied.

### Impression Taking

The prepared tray is loaded with the mixed material. To avoid air bubbles, the tip of the

mixing tip should always stay immersed in the impression material. A small amount is loaded into a commercially available elastomer syringe. While the tray is being loaded by the assistant, the dentist can begin to syringe the preparation. Loading of the tray and syringing should be completed at the same time as the higher temperature in the mouth leads to a quicker set of the wash impression material as compared to the tray material. The tray is introduced into the mouth no later than 2:00 minutes after start of mixing. This position must be kept for at least 3:15 minutes. Remove the tray after setting.

### Removal

Remove the impression parallel to the longitudinal axis of the prepared teeth. After removal, thoroughly clean with water and disinfect the impression.



## Disinfection

Use only dipping solutions for the disinfection of the impression. Recommended is the use of a 2% glutaraldehyde solution. Please ensure that the used disinfectant is indicated for the use with addition curing silicone impression material. After removal from the mouth, clean impression under running water for 15 seconds. Leave the impression in the disinfecting solution for about 10 to 15 minutes. Then rinse off the disinfection solution for 15 seconds under running water.

For more information, refer to the comments of the DGZMK. Comments of the DGZMK 3/93 V 1.0; [www.dgzmk.de](http://www.dgzmk.de)

ADA recommends following Council on Dental Materials, Instruments and Equipment. Disinfection of impressions. JADA 1991; 122(3): 110; [www.ada.org](http://www.ada.org)

## Casting and Galvanization

After disinfection, dry impression and store at normal room temperature (78°F / 25°C). Impression should be poured 30 minutes at the earliest after removal from the mouth. We recommend using special purpose hard plaster (ISO 6873, Type 3; e.g. Moldano, Bayer) for the cast and an ultra hard dental plaster for the forms (ISO 6873, Type 4; e.g. Fujirock II, GC). Honigum-Mono impressions can be copper- or silverplated.

## Storage of the Impression

Store impression at normal room temperature (78°F / 25°C). The impressions are stable and can be poured even after months without loss of accuracy.

## Please Note

- Never allow the impression to come into contact with organic solvents or liquids containing same as this may result in swelling of



the material and therefore may lead to inaccuracies.

- Possible residues of retraction aids can increase the setting time.
- Never allow the impression material to come into contact with latex gloves. Use of PVC or PE gloves is recommended.
- Do not mix Honigum-Mono with condensation curing silicone or polyether type impression materials.

## Technical Data

### Honigum-MixStar Mono

Working time*	2:00 Min
Recommended time in mouth	3:15 Min
Dimensional change after 24 h	≤ 0.4%
Compression set	≤ 0.7%
Strain in compression	≈ 3 - 5.5%

### Honigum-Automix Mono

Working time*	2:15 Min
Recommended time in mouth	2:30 Min

Dimensional change after 24 h	≤ 0.35%
Compression set	≤ 0.7%
Strain in compression	≈ 3 - 6%

### Honigum-Handmix Mono

Mixing time	0:30 Min
Working time*	2:30 Min
Recommended time in mouth	2:45 Min
Dimensional change after 24 h	≤ 0.35%
Compression set	≤ 0.7%
Strain in compression	≈ 3 - 6%

\* Times refer to normal room temperature (72 °F / 23°C) and a normal relative humidity of air (50%). Higher temperatures shorten, lower temperatures increase those times.

## Composition

Addition curing polysiloxanes, silicon dioxide, food pigments, additives, platinum catalyst

## Classification

ISO 4823:2000, Type 2: Medium-bodied consistency



## Storage

Store and use in dry location at normal room temperature not exceeding 78°F / 25°C. We recommend not storing material in the refrigerator or in the freezer. Leave used mixing tip on the cartridge after use. It serves as a cap. Close tubes immediately after use. Do not use after expiration date.

## Packaging

### Not available in the USA

#### Honigum-MixStar Mono

1 cartridge @ 390 ml paste  
10 MixStar-Tips REF 909568

5 cartridges @ 390 ml paste  
50 MixStar-Tips REF 909569

#### Honigum-Automix Mono

2 cartridges @ 50 ml paste  
4 Automix-Tips  
4 Intraoral-Tips REF 909830

#### Honigum-Handmix Mono

2 tubes @ 135 ml paste  
1 anti-skid mixing pad  
2 tube keys REF 909551

### Only available in the USA

#### Honigum-MixStar Mono

1 cartridge @ 390 ml paste  
10 Automix-Tips REF 999568

#### Honigum-Automix Mono

4 cartridges @ 50 ml paste  
12 Automix-Tips  
12 Intraoral-Tips REF 999830

Caution: Federal Law restricts this device to sale by, or on the order of a dentist, or other practitioner licensed by law of the state in which he or she practices to use or order the use of this device.

Keep away from children. For dental use only.

