

Honigum

Rigid X-tra Fast



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Instructions for use

English

Product description

Honigum Rigid X-tra Fast is a very rigid impression material to customize impression trays. Honigum Rigid X-tra Fast is based on addition cured silicones. It is available in Automix safety cartridges.

Indications

Border molding, customizing impression trays to prepare them for double mix impressions with Honigum-Heavy/-Mono and Honigum-Light and creating stops.

Contra-indications

- Do not use for full arch impressions.
- Do not use for undercut areas.
- Do not use as denture relining material.

Basic safety instructions

- For dental use only!
- Keep out of reach of children!
- Use only on or around intact mucosa. There is not enough scientific evidence to support the use of Honigum Rigid X-tra Fast on exposed bone.
- Use only as described in this instruction. Any other use is at the discretion and sole responsibility of the practitioner!
- Honigum Rigid X-tra Fast is recommended only for border molding impressions of edentulous patients. For full arch dentate impressions other Honigum products with a lower stiffness should be considered.
- Because Honigum Rigid X-tra Fast is very rigid, undercuts must be blocked out before taking the impression.

Interactions

- Surpluses of material on methacrylate basis can change the setting properties of silicone impression materials. If a restoration has been made previously, clean the preparation and surrounding tissue carefully with gauze soaked in alcohol and water spray before taking the impression.
- Make sure residues of retraction fluids are rinsed off completely. Otherwise these residues may cause delayed cure of the impression material.
- Avoid contact with organic solvents or solvent containing liquids. These may cause swelling of the impression and therefore cause inaccuracies in the cast.
- Avoid contact of impression material with Latex gloves. We recommend the use of PVC or PE-based gloves.
- Do not mix or use together with condensation cured silicones or polyether impression materials.

Advice on application

- The working times apply at a room temperature of 72 °F (23 °C) and a normal relative air humidity of 50%. Higher temperatures shorten, lower temperatures increase these times.
- Honigum Rigid X-tra Fast should be used with Massad Impression Tray.
- In order to improve the adhesion of the material to metal or plastic trays, a tray adhesive for A-silicon (e.g. Tray Adhesive, DMG) should be applied.

Recommended use

- ▶ For timings please refer to the section “Technical data”.

Border molding

1. Choose correct thermoplastic impression tray and adjust by heating and bending until the tray is exactly fitted to the archform. Provide room for at least 2-3 mm thickness of impression material. Let cool to room temperature before use.
2. Apply a thin layer of tray adhesive to the tray and its borders. Follow the instructions for this material.
3. Create stops for accurate reseating of the tray. Location maxillary tray: Distal ends of the tray, anterior and palatal arch; mandibular tray: Distal ends of tray and anterior segment and let the material set.

Note: To avoid air bubbles, always keep the mixing tip immersed in the material.

4. Apply Honigum Rigid X-tra Fast into the tray and onto its borders.
5. Replace the tray into the mouth no later than 1:15 minutes after start of mixing, in the correct position indicated by the stops and have the patient go through the series of functional movements.

Note: The material sets faster in the mouth than on the bench. It is advisable to insert the tray as quickly as possible to allow enough time for the functional movements before the material is set.

6. Remove the tray earliest 1:30 minutes after insertion. Check and mark up any areas, where the trays borders are exposed.
7. Cut away excess material with a scalpel or silicone bur. Trim down exposed areas with the bur and re-apply tray adhesive.

Note: Correction impression can be taken with Honigum-Mono or Honigum-Heavy in combination with Honigum-Light (please follow the instructions for the respective material).

8. Apply suitable correction material to the tray/impression.
9. Reseat the tray and have the patient go through the series of functional movements.
10. Keep the tray in position until the impression is completely cured.

Removal

- ▶ After removal, proceed as described in the section “Cleaning and disinfecting the final impression”.

Cleaning and disinfecting the final impression

- ▶ Only disinfect the final impression with dipping solutions.
- ▶ DMG recommends the use of a 2% glutaraldehyde solution.
- ▶ Please ensure that the disinfectant used is indicated for use with addition curing silicone impression material.
- ▶ Follow the instructions of the disinfectant solution’s manufacturer precisely!
- ▶ Leave the final impression to dry and store until casting, refer to “Disinfection of the Automix dispenser”.
- ▶ For more information, refer to the comments of the DGZMK. Comments of the DGZMK 3/93 V 1.0; www.dgzmk.de
- ▶ ADA recommends following Council on Dental Materials, Instruments and Equipment. Disinfection of impressions. JADA 1991;122(3):110; www.ada.org

Casting and galvanization

- ▶ The impression should be cast 30 minutes at the earliest after removal from the mouth.

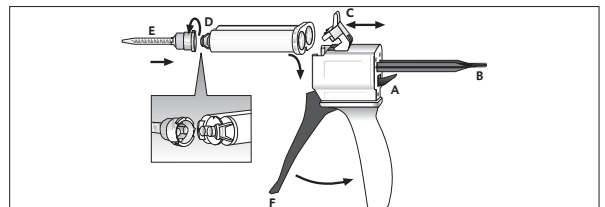
DMG recommends using special purpose hard plaster (ISO 6873, Type 3; e.g. Moldano, Bayer) for the cast and an ultra hard dental plaster for the forms (ISO 6873, Type 4; e.g. Fujirock II, GC). The impression can be copper or silver-plated.

Storage of the impression

- ▶ Store the impression in a dry place at room temperature (59 – 77 °F/15 – 25 °C)!
- ▶ Protect against exposure to direct sunlight!

The impression is stable and can be cast even after months without loss of accuracy.

Using the Automix cartridge



Insert cartridge

1. Push up the lever [A] at the back of the dispensing gun and pull back the slide [B] completely.
2. Lift up the plastic lever [C], insert the cartridge and lock it by pushing down the plastic lever [C].

Note: Make sure that the notches on the cartridge line up with those on the dispensing gun.

Attach mixing tip

1. Remove the cartridge cap [D] or used mixing tip by turning it 90° counterclockwise, and discard it.
2. Attach a new mixing tip [E].

Note: Make sure that the notches on the mixing tip line up with those on the cartridge.

3. Turn the mixing tip clockwise 90° to lock it.

Apply material

- ▶ When using a cartridge for the first time, express a pea-sized amount of material and discard it.
- ▶ The material is mixed in the mixing tip by pulling the trigger [F] of the dispenser and it is then applied directly.

Note: Leave the used mixing tip on the cartridge after use. It serves as a cap.

Remove cartridge

1. Push up the lever [A] at the back of the dispensing gun and pull back the slide [B] completely.
2. Lift up the plastic lever [C] and remove the cartridge.

Disinfection of the Automix dispenser

The Automix dispenser is reusable after disinfection, although it should be replaced if visible signs of wear appear.

Disinfection can be carried out using a commercially available dipping disinfectant. DMG recommends using only disinfecting solutions listed by the RKI (Robert Koch Institute). The Automix dispenser can also be autoclaved.


Storage and shelf-life

- ▶ Store in a dry place at room temperature (59 – 77 °F/15 – 25 °C)!
- ▶ Do not store in the refrigerator or freezer!
- ▶ Protect against exposure to direct sunlight!
- ▶ Leave the used mixing tip on the cartridge after use. It serves as a cap.
- ▶ Do not use after the expiration date!

Composition

Vinyl polysiloxanes, silicium dioxide, pigments, additives, platinum catalysts

Technical data

Honigum Pro/Heavy	
Working time* [min]	≤ 1:15
Time in the mouth [min]	≥ 1:30
Dimensional change after 24h [%]	≤ 0.40
Compression set [%]	≤ 0.90
Strain in compression [%]	= 1.3

* The times apply at a room temperature of 72 °F (23 °C) and a normal relative air humidity of 50 %. Higher temperatures shorten, lower temperatures increase these times.

The working time describes the period from the start of mixing until the time by which the tray must be positioned in the patient's mouth.

Classification

ISO 4823:2000, type 1: Heavy-bodied consistency

Packaging

4 cartridges @ 50 ml paste, 8 Automix-Tips	REF 999900
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Exclusively distributed in the USA and Canada by: DMG America LLC Englewood, New Jersey 07631, U.S., Phone: (800)662-6383.

Caution: Federal law (USA) 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.

Only available in the USA! Made in Germany.