microPress H-Tec ®

www.micropolymerdental.com
info@micropolymerdental.com

Rev.1 / 20-04-2018

Phone: (+39) 327 4572 561

Phone/Fax (+39) 0924 49 089

CE 0425 Class IIa

micropolymer® dental acrylics production & distribution Srls

*Thank you for choosing **microPress H-Tec®**, the innovative micropearl acrylic.*

***microPress H-Tec®** is the cutting-edge denture acrylic, characterized by its patented polymer composition. To make sure you always achieve reliable results with this product we would like to ask you to read these instructions thoroughly.*

Indications:

- Completion of model cast dentures
- partial or total relinings (indirect method)
- Additions and repairs

Contraindications:

Patient contact with unpolymerized material or any of its components is contraindicated. If the patient is allergic to one or more ingredients of the product, the product must not be used.

Short Information:

Mixing ratio Powder/Liquid	10:5
Swelling time approx.	30 sec*
Casting phase approx.	3 min*
Plastic Phase approx.	3 min*
Polymerization (2-3 bar, 45-50°C) approx.	10-20 min*

*The provided processing times refer to a material- and room temperature of 23°C [73,5°F]. Higher temperatures shorten, lower temperatures extend these times.

Material / Purpose:

Denture base resin, autopolymer based on methyl-methacrylate in the form of powder and liquid. Classification according to ISO 20795-1 Type 2 Class 1 and according to Council Directive 93/42/EEC annex IX Class IIa for removable and for fixed dentures.

Product features:

- comfortable processing time
- very good flow ability
- mucous membrane friendly due to a low amount of residual monomer
- homogenous surface, significant plaque reduction
- easy finishing or polishing
- absolutely color stable due to a catalyst system without tertiary amines
- Cadmium free
- evaluated and certified biocompatibility

microPress Hi Tec® does not adhere to high cross-linked synthetic teeth. Synthetic teeth should be prepared (grinded) and/or supplied with mechanical retentions.

Mixing ratio 10 : 5

Suggested mixing ratio: 10g of powder with 5g of liquid.
Free dosing is possible, however conformity of the materials physical properties can only be guaranteed if the components are weighed.

Preparation:

The arrangement of the prosthetic teeth in wax need to be fixed with a key made of plaster or silicone. Key, model and teeth are boiled out thoroughly to remove any wax residue.

The plaster model needs to be well watered to assure that no air is pressed from the plaster into the acrylic during polymerization inside the pressure polymerization unit.

Isolation:

Apply two thin layers of alginate based isolation to the model as well as the the key (if made of plaster) ***microISOLAN®*** always shows reliable results.
Important: The isolation needs to be well dried to make sure there are no white marks or spots on the finished acrylic.

Processing:

Place the required amount of liquid into the mixing cup, then add the according amount of powder. When dosing individually add just as much powder as needed to absorb the liquid. Stir thoroughly until the material reaches a homogenous consistency.

After a swelling phase of approximately 30 seconds, the material is castable for 2 to 3 minutes. During this time the material is poured into the precasts. With beginning of the plastic phase, the material becomes steady, does not flow from the precasts and can be modeled for approximately 3 minutes.

Suggested polymerization:

After a maximum of 8 minutes the polymerization is carried out under a pressure of 2-3 bar and a water temperature of 45-50°C [113-120°F] for about 6-7 minutes for repair , 10-12 min. partial prostheses, 20 min. Total prostheses.

After completion:

Until incorporation the denture should be stored in water. It is recommended to water the denture for at least 24 hours to achieve an even higher resorption of the residual monomer (1,9% according to ISO 20795-1) and thus reduce irritations of taste.

Storage and safety measures:

The material must not be used after expiration date. Storage temperature must not exceed 25°C [77°F] Avoid direct sunlight. Keep containers closed after use. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Dispose of contents/container in accordance with local recycling regulations.

Highly flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation. Avoid breathing dust/fume/gas/mist/vapours/ spray. Wear protective gloves/protective clothing/eye protection/face protection. If on skin: Wash with plenty of soap and water.

Product shades:

microPress H-Tec® is available in the following colors shades:

Pink, Pink veined, M34, Clear Pink-Veined traslucent klz , Pink-V Ivc
Additional shades available upon request.