

**INSTRUCTIONS FOR USE**



**ACRYLIC FOR DENTURES MICRO PEARL:**

**Acrylic for Dentures Micro Pearl Pink** ref. 1911962

**Acrylic for Dentures Micro Pearl Pink Veined** ref. 1911957

**Acrylic for Dentures Micro Pearl Pink 34** ref. 1911961

**Acrylic for Dentures Micro Pearl Clear** ref. 1911912

**Acrylic for Dentures Liquid Micro Pearl** ref. 1911951

**PRESENTATION**

500 ml Liquid and 1000 g Powder

**APPLICATION**

Full dentures, partial dentures, relining, repairs. For injection-moulding or pouring full and partial dentures.

**PROPERTIES**

- Color-stable
- High mechanical strength
- Easy to use
- Easy to polish

## **ADVANTAGES OF USING ACRYLIC FOR DENTURES MICRO PEARL**

- Optimal reproduction of the occlusion
- Accurately fitting full and partial dentures
- Pourable – operator does not handle the material
- Efficient technique

## **MIXING RATIO**

A mixing ratio of 14 g : 6 g (powder : liquid) is recommended for use with the injection technique. An average denture base needs 35 g (56 ml) of powder and 15 g (16 ml) of liquid. This ratio maintains the optimum physical properties. Acrylic for Dentures Micro Pearl can be mixed up to ratio of 10 : 7 for the pouring technique. When using this ratio, ensure that the mixture has a smooth consistency. A mixing time of 1 minute is recommended.

### **Table of suggested mixing ratios:**

Powder	:	Liquid
7 g	:	3 g
14 g	:	6 g
21 g	:	9 g
28 g	:	12 g
35 g	:	15 g

## **TECHNIQUE**

- Separate the plaster surfaces using an alginate separating agent.
- After adding the powder to the liquid and allowing a brief saturation time, spatulate Acrylic for Dentures Micro Pearl thoroughly to a homogeneous consistency in a porcelain container and pour bubble-free into a cylinder.

- Inject the acrylic into a prepared flask once it has a firm plastic consistency.
- These working stages must be completed within 4-6 minutes.
- The temperature of the plaster surface of the flask halves should be 30°C to 40°C.
- Denture teeth should be roughened, provided with undercuts and coated with monomer in the usual way for cold-curing acrylics to prevent them loosening.

### **IMPORTANT**

Fluctuations from a room temperature of 23°C: Higher temperatures shorten the times given above and lower temperatures increase them.

### **POLYMERIZATION**

Allow a minimum of 30 minutes before devesting Acrylic for Dentures Micro Pearl dentures.

### **POLYMERIZATION – FLOW TECHNIQUE/REPAIRS**

Repairs can be carried out with Acrylic for Dentures Micro Pearl. Before applying the acrylic dough, roughen and clean the fracture surfaces and coat them with monomer. Acrylic for Dentures Micro Pearl is polymerized for 15 minutes in a pressure polymerizing vessel at a pressure of 2-4 bar with a water temperature of 45°C.

### **STORAGE**

At 10-25°C. Please observe the shelf-life.

### **SIDE-EFFECTS**

Unwanted side-effects as a result of this medical product are highly unlikely if the product is used and processed correctly. We are, however, unable to rule out all types of potential allergic reactions or local paraesthesia. Should you experience any unwanted side-effects – even in case of doubt – please contact us as soon as possible.

## PROBLEMS OF INDICATION AND CONTRAINDICATION

If a patient suffers from a known hypersensitivity towards one of our components, the respective product must not be used. If used, then only under the strict surveillance of a doctor or dentist. In such cases, the composition of our delivered medical products is available on demand. Any known antibody reactivity, or problems our medical products might have with other materials already found in the mouth must be thoroughly considered by the dentist before use.

## IMPORTANT INFORMATION

If you are currently using our medical product for a custom-made design, please be sure to pass on all the above mentioned information to your dentist. Always pay close attention to all existing safety data sheets when working with our medical products.

## WARNING

Avoid contact of the skin with unpolymerized material. Do not inhale monomer vapors. Opened containers: do not use after the shelf-life has expired.

## DISPOSAL

Dispose of powder with normal household waste. Liquids are classified as hazardous waste and must be disposed of according to local laws.

## TROUBLESHOOTING

Problem	Cause	Remedy
Acrylic does not fully cure	Incorrect mixing ratio	<ul style="list-style-type: none"> <li>– Adhere to the instructions for use</li> <li>– Adhere to the mixing ratio</li> </ul>
Acrylic is whitish on the fitting surface	<ul style="list-style-type: none"> <li>– incorrect or poor application of separating agent</li> <li>– model not soaked</li> </ul>	<ul style="list-style-type: none"> <li>– Apply ample separating agent</li> <li>– Check the separating agent if necessary</li> <li>– Soak the model for approx. 10 min. in lukewarm water</li> </ul>
Acrylic forms bubbles on the fitting surface	Model not soaked	<ul style="list-style-type: none"> <li>– Soak the model for approx. 10 min. in lukewarm water</li> </ul>

Acrylic surface white / porous	Recommended time for injecting acrylic exceeded or delay in inserting into the pressure vessel	Adhere to the processing times
Colour differences with repairs	Incorrect mixing ratio	Adhere to the mixing ratio
Acrylic breaks when lifted	Poorly separated	Check the separating agent
Acrylic / denture has whitish streaks	Incorrectly mixed / too much powder used	Thoroughly spatulate the acrylic dough / adhere to the mixing ratio
Acrylic sets too fast	– Temperatures too high – Working stages too long	Observe temperatures / working times Storage: 10 -25°C