Aesthetic Color Set

Heat curing

Aesthetic Color Set

Cold curing

Ultra Tray

Lichthärtendes Löffelmaterial
Light curing tray material
Résine photopolymérisante pour porte-empreintes individuels
Resina fotoindurente per porta-impronte individuali
Material fotopolimerizable para cubetas individuales
Lichtuithardend lepelmateriaal
Lyshærdende skemateriale

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04/2006 www.teama5.com
Dear customer,

The product that you have purchased qualifies as a medical device under European Directive 93/42/EEC. Please ensure that you file the lot number and product name in your administrative system on receipt of the product. For each piece of work that you produce, please make a note of all the materials used along with all the appropriate lot numbers. For your own protection as well as for the protection of your patients and the environment, please also follow the important guidelines in the following Instructions for Use:

Product description
Aesthetic High Impact is a PMMA-based, high impact, hot curing denture base material which is indicated for the conventional packing technique. Aesthetic High Impact is suitable for both complete and partial dentures.

Benefits
• May be used for the packing technique
• Increased impact resistance compared to conventional denture base materials
• Pleasant to handle
• Enhanced dimensional and colour stability

Composition

<table>
<thead>
<tr>
<th>Monomer</th>
<th>% weight</th>
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<tbody>
<tr>
<td>Methyl methacrylate (MMA), stable</td>
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<td>Dimethacrylate</td>
<td>7.0 %</td>
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<tr>
<td>Pigmentation</td>
<td>0.1 %</td>
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Complies with EN ISO 1567, Type 1, Class 1

Pack sizes

| Small pack | 250 g | 150 ml |
| Standard pack | 1,000 g | 500 ml |
| Lab pack   | 2,500 g | 1,000 ml |

Colours
Candulor 34 opaque dark pink, non-veined
Pink-V pink, veined

Introduction

Aesthetic® High Impact is a hot curing acrylic denture base material.

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Colours
- Candulor 34 opaque dark pink, non-veined
- Pink-V pink, veined

Pack sizes
- Polymer: 250 g, 1,000 g, 2,500 g
- Monomer: 150 ml, 500 ml, 1,000 ml

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Instructions for Use

Storage instructions
Store the material in a dark, cool, well-ventilated place. Storage temperature: 12–28 °C / 54–82 °F. Do not use the material after the expiry date. Keep out of the reach of children.

Indication
Conventional packing technique for:
- Complete dentures
- Partial dentures
- Combination dentures

Contraindication
Avoid direct contact with unpolymerised material within the oral cavity.

Side effects
No systemic side effects have been reported to date. In individual cases, local allergic reactions to PMMA/MMA-based denture base materials have been reported. If a patient is known to be allergic to any of the ingredients in Aesthetic High Impact, the material must not be used.

Danger warnings
- The monomer contains methyl methacrylate (MMA)
- MMA is an irritant and easily flammable (flash point: +10 °C / 50 °F)
- MMA and its vapours are irritating to the eyes, skin and respiratory system
- May cause sensitisation upon skin contact
- Do not inhale vapours
- Keep away from sources of ignition – no smoking
- Do not empty into drains
- Avoid contact of the skin with monomer and uncured material. Many commercial gloves, e.g. those made of latex or vinyl, are not monomer-resistant and therefore do not provide protection against the sensitising effect of methacrylates
- Wear a mask when grinding and use a suction removal system
- Always use a spatula when handling the mixture

Warning
The material has been developed solely for use in dentistry and must be handled strictly in accordance with the Instructions for use. The manufacturer cannot be held liable for any damages arising as a result of failure to observe the Instructions for Use or the stated area of application. The same applies in the event that the product is mixed or processed with other manufacturers’ products. The user shall be solely responsible for testing the material with respect to its suitability prior to use for any purpose other than those explicitly stated in the instructions.

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

1. Preparation
Isolate boiled-out, well-wetted plaster surfaces with two applications of Candulor ISO-K and allow to dry thoroughly. To ensure an adequate bond with the denture base, roughen the teeth thoroughly and wet them with monomer.

2. Dosage
Ideal mixing ratio for one average-sized denture:
- 21 g powder: 10 ml liquid

Dosage system
The integrated dosage system ensures an ideal mixing ratio and minimum polymerisation shrinkage of Aesthetic High Impact. The scale on the monomer cylinder is in millilitres, on the polymer beaker in grams.

Too high a monomer content will alter the shade, consistency and handling properties of the material. This may also inhibit polymerisation, possibly leading to irritation of the mucous membranes and to porosity.

3. Mixing
Thoroughly mix powder and liquid in the stated ratio with a suitable mixing implement for about 30 seconds. Ensure that it is well mixed. Cover the mixing beaker and leave to prove at room temperature (23 °C / 73 °F) for 10–15 minutes.

Mix the powder and liquid thoroughly.

4. Working time
As soon as the material has set sufficiently (after approx. 15 minutes) and is no longer sticky, it can be processed for a period of approx. 10 minutes at room temperature (23 °C / 73 °F). The proving and working times depend on the room temperature.

5. Pressing
Place an ample amount of the resin mixture in the separate halves of the flask and carefully close the flask. The slight excess serves as a check of whether sufficient denture base material is available in the negative form. Slowly apply 80 bar hydraulic pressure to the flask in a dental press and secure with a clamp.

6. Polymerisation

Standard procedure (recommended method)
Place the flask in hot water at 70 °C (158 °F) and leave for 90 minutes. Then continuously heat the water bath up to 100 °C / 212 °F and boil for 30 minutes.

Alternative procedures
- Heating method
  Place the flask in cold water (the flask must be completely immersed in water), heat and boil for 45 minutes. This method is only suitable for dentures up to a thickness of 10 mm. For each flask use 5.5 l of water.
- Overnight polymerisation
  Place the flask in hot water at 70 °C (158 °F) and leave for 9 hours. Then heat up to 100 °C / 212 °F and boil for 30 minutes.

By using the ideal mixing ratio and the recommended methods, a residual monomer content of < 2.0 % can be achieved.

7. Cooling
Leave the flask to cool at room temperature for at least 30 minutes, then cool completely in cold water.

8. Removal and finishing
When the flask has cooled completely, open it and remove the plaster. Check the occlusion of the denture, then finish and polish in the usual way. Rinse with Candulor KMG after the preliminary and high-gloss polishes.

Repairs and corrections
Corrections and repairs may be carried out using cold-curing Aesthetic Autopolymerisat and Candulor AutoPlast in the pouring technique. Thoroughly roughen the corresponding surfaces and wet with monomer.

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Safety data sheets can be found on our website at www.candulor.com