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## Instructions for use of ESTETIC heat-curing acrylic resin for denture bases



Please read these instructions carefully before using the product. The instruction is available on the website [www.wiedent.com.pl](http://www.wiedent.com.pl) in the tab: products / acrylic materials / Estetic.

### Intended use

The ESTETIC acrylic resin is a class I medical device intended for making removable dentures (complete and partial).

### Description

- requires short polymerization time,
- characterizes by low water and saliva sorption,
- owing to excellent plasticity and press mouldability does not cause raising of the occlusion,
- can be combined with soft elastic foundations,
- transparency of acrylic mass let to show natural color of user's oral mucosa,
- meets the requirements of international standard PN-EN ISO 20795-1.

Types of Estetic resin:

- Estetic „10V”- pink (shade 10) veined - Estetic „10” - pink (shade 10), - Estetic „0” - transparent
- Estetic „8V” - pink (shade 8) veined, - Estetic "8" - pink (shade 8)

### Raw materials used for production

The ESTETIC acrylic resin for making removable dentures is made of polymer powder based on methyl methacrylate and a liquid based on methyl methacrylate monomer.

### Direction for use

Recommended weight proportions of powder and liquid are like 2:1

Pour an appropriate amount of the solvent into a vessel and gradually add powder up to complete saturation with the solvent. Stir for several seconds - solution should have the consistency of thick cream. Cover the vessel tightly and keep under cover for ca.10 - 15 min (depending on the temperature of environment). Higher temperature accelerate and lower decelerate initial swelling. Check plasticity with a spatula – if we consider the acrylic mass to attain the highest plasticity level (just after the phase of “drawing thread”) the material is ready for moulding. Fill the room temperature mould covered with isolating agent with the plastic mass and form under gradually increased pressure until metal/metal contact occurs. Leave the mould under pressure for minimum 3 to 5 minutes, then place and clamp in a polymerisation frame. Long plasticity time allows simultaneous moulding even in some moulds. Immerse completely the mould in the frame in boiling water and maintain the boiling temperature for 20 min. Turn off the heat source, cool the mould to room temperature and open. Remove the polymerised denture, then process and polish according to commonly used methods. In case of very thick and extensive dentures, immerse the mould in cold water, then lead to the boiling point and proceed as described above.

### Warnings and recommended precautions

The liquid is inflammable and also irritant. Avoid inhaling the vapours and prevent any contact with the skin and eyes. In case of contact, rinse thoroughly with water and, if any, contact your ophthalmologist. Don't dispose of the remainder of the liquid into the sewer. Dental technicians are warned against inhaling dust while carrying out prosthesis work. When engaged in this work, using of a dust-mask and a fume cupboard is recommended. The manufacturer recommends the following guidelines to be included in instructions for the patients:

- dentures should be washed with a tooth-brush and toothpaste or any other agents especially designed for the care of such products,
- don't soak them in heavily alkali or acid substances in order to avoid damaging of surface,
- damaged dentures should be repaired only by a dental technician or a dentist,
- the adjustment of dentures should be regularly checked.

### Packaging

Sets:

- 500 g powder, 250 ml liquid - 2000 g powder, 1000 ml liquid

Individually:

- 500 g powder, - 2000 g powder, - 250 ml liquid, - 1000 ml liquid

### The storage and transport conditions

The ESTETIC acrylic resin should be stored in tightly-closed containers in well-ventilated rooms. Keep out of the reach of children. Avoid direct sunlight and heat sources during storage and transport. They must be used within 5 years from the date of manufacture.

### Legal basis

The ESTETIC acrylic resin meets the requirements of Regulation (EU) 2017/745 of the European Parliament and of the Council.

### Symbols on the packaging

	Manufacturer
	Consult instructions for use
	Mark of product conformity with requirements of Regulation (EU) 2017/745 of the European Parliament and of the Council
	Temperature limit
	Keep away from sunlight
	The product is a medical device
	Batch code
	Use-by date