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**Instructions for use of ESTHETIC H
heat-curing acrylic resin for crowns and bridges**



Please read these instructions carefully before using the product. The instruction is available on the website www.wiedent.com.pl in the tab: products / acrylic materials / Esthetic H.

Intended use

The ESTHETIC H heat-curing acrylic resin is a class I medical device intended for making temporary dentures (crowns and bridges).

Description

- resin hardened as a result of hot polymerization,
- characterizes by a colour stability,
- the hardness of the crowns made of ESTHETIC H imitate the hardness of natural teeth,
- manufactures in accordance with WIEDENT and V shade guides,
- complies with the requirements of international standard PN-EN ISO 10477.

Raw materials used for production

The ESTHETIC H resin intended for making temporary dentures (crowns and bridges) is made of powders containing methyl methacrylate polymer and copolymer, pigments and a liquid containing methyl methacrylate monomer and 1,4-butanediol dimethacrylate.

Direction for use

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

Pour appropriate amounts of the solvent into two vessels and gradually add to one the powder marked DENTINE of appropriate color, and to the other the powder marked NECK. Stir for several seconds avoiding formation of air bubbles. Cover the vessels tightly and keep under cover for ca. 15 min (depending on the temperature of the environment). Higher temperatures accelerate initial swelling. Check plasticity with a spatula. If ductile threads adhere to the spatula when it is removed from the mass, the material is ready for molding. Mold the shell crown or facings modeled in wax according to the commonly used method. After opening the mold, melt off the wax and applying an isolating layer onto plaster surface, cool the mold to room temperature. Apply a thin layer priming opaquer onto metal surfaces to be faced and leave to dry completely. Place plastic NECK material in the neck portion of the denture, forming the remaining part of the DENTINE material. Form the junction site with spatula and wet with the monomer to obscure the borderline between the layers. Press through wet cellophane layer with gradually increased pressure, and leave for min. 1 minute. After insert in the polymerizing tin in a polymerizing frame and immerse the frame in boiling water and maintain the boiling temperature for 20 min. Turn off the heat source, cool the mold to room temperature and open. Abrade the faced surface to prepare it for ENAMEL layer application. File off a 1-1.5mm layer off the incisal edges and cusps, with gradual reduction of filed-off thickness towards the neck. Mix the ENAMEL powder with the solvent in the same way as DENTINE and NECK material. Apply the solvent onto the filed facing surface, then apply the plastic material, form and mold under pressure. Polymerize as described above. Process and polish with generally used methods.

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:

- crowns and bridges made up of ESTHETIC H should be washed with a tooth-brush and toothpaste;
- damaged crowns and bridges should be repaired only by a dental technician or a dentist,
- the adjustment of crowns and bridges should be regularly checked by a dentist.

Packaging

- 100 g powder (neck - 25 g, dentin - 50 g, enamel - 25 g), 50 ml liquid
- in 16 shades of universal V shade guide
- in 12 shades of Wiedent shade guide (without B2).

The storage and transport conditions

Keep 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 ESTHETIC H 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

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