

Manufacturer

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EN Self-curing Acrylic Resin

PROVINICE is a chemical cure, powder-liquid type acrylic resin in tooth color for provisional crowns, provisional inlay, temporary bridge etc.

COLORS

Tooth colors: A1, A2, A3, A3.5, Inc, 56
Gingival colors: (1) With fibers: U2, U3, 8S
(2) Without fibers: 3S

COMPOSITION

POWDER: MMA-EMA copolymer, pigments and others
LIQUID: MMA and others

INDICATIONS

- Provisional inlays and crowns
- Temporary bridges
- Repair of denture base etc

PRECAUTIONS

1. Do not use this product on patients with known allergies to this material and/or methacrylate monomer.
2. Operators with known allergies to this material and/or methacrylate monomer must not use this product.
3. If any inflammation or other allergic reactions occur on either patient or operator while using this product, immediately discontinue use and seek medical advice.
4. Mixture of this product generates heat while self-curing. If heat generation is perceived, immediately take the material out of patient's mouth to avoid burn or pulp necrosis.
5. Liquid of this product contains methacrylate monomer. If inhalation of vapor causes nausea or illness, take rest and keep warm in fresh air. In case of developing severe symptoms, including headache, dizziness, nausea or breathing difficultly, immediately seek medical advice.
6. Do not handle the liquid or the mixture of this material with bare hands. Use protective plastic or rubber gloves and glasses to avoid contact with skin and/or eyes. In case of accidental contact with skin, immediately blot with alcohol moistened cotton ball, wash with soap and rinse with plenty of running water. In case of contact with eyes, immediately flush the eyes with plenty of water and seek medical advice.
7. Use local dust extractor, protective mask, etc while finishing/ polishing to avoid harmful influence of dust on the human body.
8. This product is intended for use by dental professionals only.

DIRECTIONS FOR USE

A. Brush-on technique

- A-1. In case of repair of denture base, grind off the old surface that needs to be repaired.
- A-2. Dispense adequate amount of powder and liquid into 2 separate dishes.
- A-3. Dip the tip of a brush into the liquid and apply it to the area intended to be repaired.

- A-4. Re-dip the brush into the liquid. Then, gently stir the powder so that the powder is sticking to the brush in a ball shape.
- A-5. Apply the material to the area intended.
- A-6. Repeat the procedures A-4 and A-5 to create the intended shape.
- A-7. After the resin is hardened, contour and polish the following conventional method.

B. Mixing technique

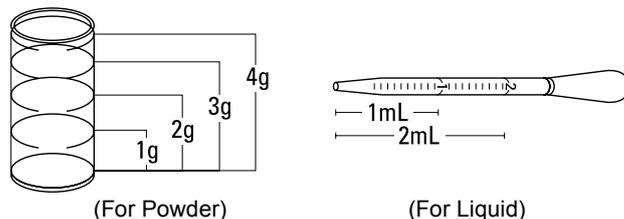
- B-1. Dispense 0.5 mL of liquid into a mixing cup, then add 1 g of powder.
- B-2. Mix them quickly using a spatula for 10 - 15 sec. Fifty to sixty seconds after finish mixing, the material reaches dough-like consistency.
- B-3. Place and press the dough state resin to the area intended.
 - All procedure must be completed within 2 minutes after finish mixing, when chemical cure starts.
- B-4. After the resin is hardened, contour and polish following the conventional method.

C. Injection-mold technique (silicone core technique)

- C-1. Dispense 1 mL of liquid into a mixing cup, then add 1.5 g of powder.
- C-2. Mix them quickly using a spatula for 10 - 15 sec.
- C-3. After finish mixing, quickly pour the mixture into the silicone impression, exercising caution to avoid entrapping air bubbles.
- C-4. After the resin is hardened, contour and polish the following conventional method.
 - In order to minimize incorporation of air bubbles during polymerization, pressure-curing using a curing unit^(Note) is recommended; immerse the material into lukewarm water at 40 - 50 °C while applying pressure of 0.2 MPa for 10 minutes.
 - (Note) Curing unit that can keep or warm water up to 50 °C or higher while applying pressure between 0.2 and 0.4 MPa.
 - PROVINICE self-cures under normal temperature and atmospheric pressure, however, in order to minimize incorporation of air bubbles and to enhance translucency after polymerization, pressure-cure is recommended.

D. Storage

PROVINICE self-cures completely within about 4 minutes after finish mixing. Store the cured material in water until it is placed in the patient's mouth in order to eliminate residual monomers inside the material.



NOTE ON USE

1. Use dispensed materials promptly.
2. Discard the remaining material once dispensed.
3. Tightly close the bottle caps (powder and liquid) immediately after each use.
4. When repairing dentures made of thermo-plastic denture base resin, use extra caution to avoid micro-cracks caused by contacting with the liquid.
5. Avoid any source of ignition since the liquid is flammable. Keep a fire extinguisher in the area where the liquid is used or stored.
6. Use in well ventilated area with several appropriate ventilations per hour.
7. Do not use this product in conjunction with other self-curing acrylic resin.
8. Follow the instructions for use of each dental material,

instrument or equipment to be used in conjunction with this product.

9. Do not use this product for any purposes other than specifically outlined in the INDICATIONS in these instructions for use.
10. Use this product within the expiration date indicated on the package and container.
(Example: ☞ YYYY-MM-DD→Year-Month-Date of the expiration date)

STORAGE

Store in dark place at room temperature (1-30 °C/ 34-86 °F).

Avoid high humidity and high temperature. Keep away from direct sunlight and any source of ignition.