

1. Product

The product belongs to Group 1, Class 2 of Type 1 according to the standard classification of ISO 4049. It is a nano hybrid typed light-cured complex resin for aesthetic restoration for both anterior and posterior parts, which is used for restoration that requires aesthetics through decay and damage in a form of paste with unpolymerized dimethacrylate monomer, inorganic filler, and photoinitiators mixed. That is, after recovering with the unpolymerized product, to make a hard restoration by polymerizing through dental visible-ray polymerizer.

2. Intended Use

A composite material which has resin organic and inorganic fillers or complex fillers as ingredients, which are being used for aesthetic restoration by getting polymerized directly in the oral cavity.

3. Composition

- Diurethane dimethacrylate / Bisphenol-A glycidyl methacrylate / Trimethylol propane trimethacrylate / Barium-aluminosilicate / Silicon dioxide
- Inorganic Filler(average particle size of 0.05~2.5µm) Content: about 77%

4. Performance

- A nano-hybrid resin, which hardens by light and can be used for both anterior and posterior parts at the same time
- Excellent ceiling capacity
- Color stability
- Excellent radiation impermeability

5. Applications

- Direct anterior and posterior restorations
- Core build-ups
- Splinting

6. Method of use

A. Preparation before Use

- 1) Check the expiration date and the abnormality of the product such as foreign substances and spoiling before use
- 2) Acquaint yourself with the instructions from the manufacturer and maintain the methods of use
- 3) Remove the lid and prepare filling equipment
- 4) Protect the oral cavity with a rubber dam

B. Directions for use

- 1) Select the shade
Separate the area to be treated using rubber dam, etc. Wash the area. Select the appropriate shade.
- 2) Treat the decayed parts
Remove amalgams or bases and foreign substances at the area to be treated that can be disturbing during the treatment
- 3) Pulp protection
When the decayed part is deep, the pulp can be exposed. Therefore, according to the indicant, cap the pulp with calcium hydroxide and glass ionomer.
- 4) Treatment of the enamel and the dentine
For the pretreatment, according to the method of use of the products in use, operate acid etching and application of adhesive system in order.
- 5) Application

Open up the lid, take an adequate amount of the product out, and fill the resin at the area to be treated.
Make sure to close the lid after use to prevent exposure to the light.
(For the capsule type, you can directly restore the cavity using the dispenser. It is disposable — dispose of it after use.)

6) Curing

Place a light projector as close as possible with the surface of the product filled and project the light for 20 seconds vertically.
(Usage recommendation: D-Lux)
Increase the amount of projection when the projecting strength is below 400mW/cm². If it is 400mW/cm² or higher, reduce the amount of projection.)

7) Finishing up

After restoring with the resin, remove the remaining resin with a flame-shaped finishing bur and complete the shape. Finish up the final grinding using a rubber polishing point and aluminium oxide polishing paste.

C. Storage & Transportation

- 1) Avoid high temperatures and direct sunlight.
- 2) Keep it where it's dry and cool.
(Keep it in the room temperature of 2°C ~ 27°C)
- 3) Close the lid right after use.
- 4) Keep away from children.

7. Directions on Use

A. Contraindication

- 1) Do NOT use the product on a patient with medical history of hypersensitiveness such as rashes and dermatitis to the current product or methacrylate monomers.

B. General Cautions

- 1) The product has to be used by a dentist or a dental professional, with the methods and directions of use utilized.
- 2) It is prohibited to use the product for the other reasons than the determined purpose of use.
- 3) It cannot be prescribed for internal use.

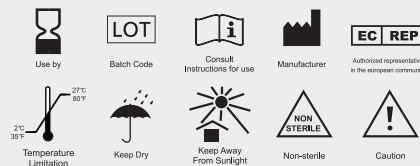
C. Application notes

- 1) Equip the respiratory tract protection equipment before treatment.
- 2) For a syringe, block completely with a lid after use.
- 3) For a capsule type, dispose of it immediately after use for its for one-time use. Dispose of a one-time tip after use immediately.
- 4) Do not use the product over the expiration date.
- 5) Do not mix with other products
- 6) The unhardened resin can affect susceptible skin according to the individual. In this case, wash the contacted skin with soap and water.
- 7) The product is to be used for the dental purpose only. Wear a protective gear to prevent it from getting into eyes. When it got into eyes, wash with running water immediately and check with an eye doctor.
- 8) If a patient shows hypersensitiveness such as rash while using the product, stop the use and let him or her see a dermatologist.
- 9) Very rarely a patient can show hypersensitiveness to the product. In this case, stop the use and consult a doctor.

8. Shelf Life

3 years from the manufacture date when preserved according to the directions.

9. Symbols



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