

## Instruction for Use

**Product Name:** BELL COAT  
(Dental Adhesive Filling Material – Dental resin prosthesis surface glazing-hardening material)

**[Contraindication/Prohibition]**

This material shall not be used on patients with a history of the rash, skin irritation, and other sensitivities against this material or methacrylic acid type monomer.

**[Form / structure and principles, etc.]**

Form	Container	Composition
Liquid	Vial	DPHA, EMA, MMA, others

This material is polymerized by ultraviolet radiation energy.

**[Intended use, indication and efficacy]**

Enhance the luster and abrasion resistance of the dental resin prosthesis surface and.

**[Item specifications, etc.]**

1. Appearance: Transparent liquid free of entry of foreign matter
2. Coatability: Liquid is easily coated and spreads thinly.
3. Surface luster and surface hardenability: Transparent and smooth hardened film is formed, which is not damaged by alcohol.

**[Operating method or usage, etc. (direction and dose)]**

(1) Roughening of resin prosthesis

In order to achieve good adhesion, roughen the resin surface by paper cone, etc.

(2) Cleaning and drying of resin surface

After ultrasonic cleaning, remove water with clean cloths, etc., and thoroughly dry (remaining stains and water content interferes with adhesion of surface glazing curing agent and causes exfoliation).

(3) Collection of surface glazing curing agent

Collect a required amount of surface glazing curing agent onto a mixing plate by dropper.

(4) Application of surface glazing curing agent

Using a brush, apply a thin coat of surface glazing curing agent to the resin surface.

(5) Ultraviolet curing of surface glazing curing agent

Place the resin in an ultraviolet polymerizer or multipurpose polymerizer (for both visible and ultraviolet rays) shown in the table below, and carry out ultraviolet polymerization. The table below shows the proper light irradiation time in each polymerizer.

Name of photopolymerizer	Distributor	Proper irradiation time
<Ultraviolet polymerizer>		
PermaOven	Yoshida Dental Trade Distribution Co., Ltd.	7 min.
LC 5000	Yoshida Dental Trade Distribution Co., Ltd.	4 min.
PermaCure UC-1	GC Corporation	1 min.
Thermocurator C-1	Morita Mfg. Corp.	2 min.
<Multipurpose polymerizer>		
Blue Thunder	Yoshida Dental Trade Distribution Co., Ltd.	1 min.

(In the event that the proper irradiation time is exceeded, the resin may be discolored to be slightly yellow.)

(6) Completion

Take out the resin prosthesis from the photopolymerizer.

**[Precautions for Use]**

1) Precautions for use

- [1] This material is a UV cure surface glazing-hardening material. A visible light curing unit shall not be used.
- [2] Ventilate appropriately when using this material (ventilate several times per hour).
- [3] Because this material is inflammable, take utmost care to fire.
- [4] Do not leave the bottle open. Securely tighten the cap after use.
- [5] Do not use this material for other than intended use stated in the column of [Intended use, indication and efficacy].
- [6] Do not allow any other persons than those qualified for dentistry to use this material.

2) Important basic precautions

- [1] Stop using this material on patients when symptoms such as rash, hot rash, flare, ulcer, puffiness, itch, numbness, and other sensitivities are identified, and have the patients consult a medical doctor.
- [2] Users who have the rash, skin irritation, and other sensitivities against this material or methacrylic acid type monomer shall use gloves, etc to avoid direct contact with this material. In addition, users who suffer rash, hot rash, flare, ulcer, puffiness, itch, numbness, and other sensitivities by the use of this material shall stop the use and get medical attention.
- [3] Take utmost care to prevent this material from contacting with the oral soft tissue, skin, etc. or from entering eyes. In the event that this material adheres to the oral soft tissue or skin, wipe away with alcohol cotton, etc. and flush the affected area with large quantities of water. In addition, in the case of eye contact, immediately flush eyes with large quantities of water and consult an ophthalmologist.

**[Storage methods]**

- Store in a cool and dark place with care to avoid exposure to direct sun rays.
- Store and control this material in an appropriate manner with care to prevent touching by any other person than those engaged in dentistry.

**[Use-by date]**

Within 3 years of manufacturing.

**[Single item packing]**

Surface glazing-hardening material: one 50mL container  
Accessory: Diluent: one 6mL container

Manufactured by  
Mutsumi Chemical Industries Co., Ltd.