

## Instruction for Use

**Product Name: BELL BOND (BONDING AND ETCHING AGENTS)**  
(Dental Adhesive Filling Material – Dental Dentin Bonding Agent Kit)

### **[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.]**

This material comprises the following items.

Item	Form	Container	Composition
Bonding agent	Liquid	Bottle	Bis-GMA, TEGDMA, Camphoroquinone, others
Etching agent	Liquid	Bottle	Phosphoric acid, purified water, others

This material bonds and unites etched teeth and composite resin with chemical and mechanical fitting force, etc. by polymerization-hardening resin monomer by visible light energy.

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

A kit comprises dental dentin bonding agent and dental etching agent. May include other related instruments. Excludes cases in which any component that contains any medicinal product is included.

### **[Item specifications, etc.]**

#### Etching material

1. Appearance: Red viscous liquid free from entry of foreign matter
2. Phosphoric acid content: 37-43%

#### Bonding material

1. Appearance: Pale yellow to yellow liquid free of entry of foreign matter
2. Coatability: Easily coated.
3. Photocurability: The most part is cured.
4. Adhesion: 50 kg/cm<sup>2</sup> or higher

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

- (1) Fix the tooth form to be treated, clean, and apply lining as required.
- (2) Place one drop of etching material onto a mixing plate, etc., and apply to an enamel portion with a small brush, etc. About 20 seconds after application, thoroughly wash the cavity with water and completely wash away the etching material; then, dry with an air syringe, etc.
- (3) Place one drop of bonding material onto a mixing plate, etc., soak a sponge ball, etc. with the bonding material, apply a thin coat of it to the whole cavity, and lightly air-dry for 2 to 3 seconds.
- (4) Using an irradiation device for photo-polymerization, irradiate the coated surface with visible light at least for 10 seconds or more per 1 place. When the coated surface is wide, re-irradiate by shifting positions.

### **[Precautions for Use]**

#### 1) Precautions for use

[1] When the cavity surface is contaminated with saliva, etc., lightly water-rinse, dry, and then, re-treat (about 10 seconds) with the etching material, because contacts with saliva, etc. lead to poor adhesion.

[2] After use, securely tighten the cap to prevent volatilization of this material from the container.

[3] Because the bonding material is inflammable, take utmost care to fire.

[4] Do not use this material for other than intended use stated in the column of [Intended use, indication and efficacy].

[5] 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 the bonding material from contacting with the oral soft tissue, skin, etc. or from entering eyes. In the event that the bonding 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.

[4] Take utmost care to prevent the etching material from contacting with the oral soft tissue, skin, etc. or from entering eyes. In the event that the etching material adheres to the oral soft tissue or skin, immediately 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 this material at a dark place at room temperature (1-30°C).
- 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]**

Bonding agent: one 6mL container

Etching agent: one 5mL container

Manufactured by  
Mutsumi Chemical Industries Co., Ltd.