

Instruction for Use

Product Name: Eye Sight
(Hard Resin for Tooth Crown)

[Contraindication/Prohibition]

This material shall not be used for patients who have a history of irritation such as a rash and dermatitis against this material or methacrylic acid type monomer.

[Form / structure and Principles, etc.]

This material comprises the following items.

Item	Form	Container	Composition
Body Resin	Paste	Syringe	UDMA, Silica, etc
Opaque	Paste	Syringe	UDMA, Silica, etc
Opaque Primer	Liquid	Bottle	Ethanol, Bis-GMA, etc

This material is polymerized with radiant energy with a wavelength of 470–480 nm.

[Intended Use, Indication and Efficacy]

This material (harder than acrylic resin for tooth crown) comprises powder, liquid, or paste containing at least one kind of any of methacrylic monomer, methacrylic polymer, inorganic filler and compound filler and used for restoring the tooth crown portion by various kinds of polymerization methods, preparation of temporary crowns, etc. It may include indirect material such as colorant, etc.

[Item Specifications, etc.]

Body Resin

1. Hardness: 20 HB and more
2. Amount of water sorption: 1.0 mg/cm² and less
3. Discoloration: Free from discoloration easily recognized.

Opaque

1. Coatability: Easily coated.
2. Appearance of hardened material: Lustrous and smooth

Opaque Primer

1. Appearance: Colorless transparent liquid free of entry of foreign matter
2. Coatability: Easily coated.

[Operating Method or Usage, etc. (Direction and Dose)]

(1) Fabrication of Metal Frame

After restoring the tooth form on a working model, cut back the facing area (0.7 mm or thicker wax need to be left). Then, apply retention beads (about 100 μm), and after casting, remove retention at the enter of tooth crown and finishing area of metal frame and resin, where the resin layer tends to become thin.

(2) Surface Treatment of Metal Frame

Sandblast the facing area with 50-μm alumina sand. Then, water-rinse with an ultrasonic-cleaner and put it to dry. In the event that the metal used is a noble-metal alloy, stable adhesion can be obtained by the use of the tin plating technique or UV powder (Yamamoto Precious Metal Co., Ltd.).

(3) Application of Opaque Primer

Apply one layer of Opaque Primer with a round brush to the metal frame and thoroughly dry by air blowing or letting it stand for 30 seconds.

(4) Application and Preparing of Flow Opaque Paste (common to all shades)

Apply flow Opaque Paste with a flat brush as if it is rubbed into the facing surface, of which purpose is to definitely filling Flow Opaque Paste into the undercut portion of the retention beads, therefore it is enough to apply flow Opaque Paste to the extent that the metal color can be seen through). After application, carry out photopolymerization for one minute with a photopolymerizer.

(5) Application of Opaque Paste

Apply the Opaque Paste of selected shade with a flat brush. Since Opaque Paste is of a paint type, apply twice, and every time it is applied, carry out photopolymerization with a photopolymerizer for 3 minutes. In the event that Opaque Paste is further applied, carry out 3-minute photopolymerization each time.

(6) Application of Cervical/Body Pastes

[1] Application of Cervical Paste and Preparing

Take a suitable amount of Cervical Paste with a spatula, and apply in such a manner that it becomes thinner from the cervical area toward the incisal edge with transition of shade to opaque area taken into account. Photopolymerize for one minute as preparing.

[2] Application of Dentin Paste and Preparing

Take the paste in excess and apply while adjusting the shape. Pile up the paste in one lump with care to prevent entry of air bubbles, keep the area 1/3 from the incisal edge thinner with the transition to enamel taken into account, and completely cover the opaque area with the paste. Photopolymerize for one minute as preparing.

(7) Application of Enamel/Transparent Paste and Final Polymerization

In the procedure same as Dentin Paste, pile up Enamel Paste transitionally toward the incisal edge while adjusting the shape. In the event that still more transparency is required to the incisal edge, apply Transparent Paste in the procedure similar to enamel. For final polymerization, carry out photopolymerization for 3 minutes.

(8) Forming the Surface Characterization

Form the surface characterization using carbide bars, diamond points, carborundum point, etc.

(9) Polishing and Completion

Adjust the surface using rubber points and silicon points, and carry out glazing and grinding using Eye Sight glazing agent, which is separately sold.

Shade configuration table

Shade	A1	A2	A3	A3.5	A4	B2	B3	B4	C2	C3	D2	D3
Flow Opaque	FO											
Opaque	OA1	OA2	OA3	OA3.5	OA4	OB2	OB3	OB4	OC2	OC3	OD2	OD3
Cervical	-		C1		C2		C3		C5		C6	
Dentin	DA1	DA2	DA3	DA3.5	DA4	DB2	DB3	DB4	DC2	DC3	DD2	DD3
Enamel	E1		E2		E3	E1	E2	E3	E2		E3	
Transparent	T											

[Cautions for Use]

1) Cautions for Use

- [1] When forming the surface characterization, finishing, and polishing are carried out on the hardened substance of this material, avoid effects of dust on the human body using local dust collecting apparatus, dust mask approved by a public institute and so on. Take utmost care to prevent inhalation of dust.
- [2] Do not keep this material with the container lid detached. In particular, take utmost care to Opaque Primer, which is highly volatile.
- [3] Because Opaque Primer is inflammable, watch out for fire.
- [4] Do not use this material for other than intended use stated in the column of [Intended use, indication and efficacy]. Soak the crown/bridge in water at least for 48 hours to eliminate any risk of leaking substances to patients' saliva and/or tissue
- [5] Do not allow any other persons than those qualified for dentistry to use this material.
- [6] Do not use this material in combination with other equivalent products.
- [7] When removing the paste from the syringe, do not touch it by your hands, use clean spatula.
- [8] Do not return this product removed from the syringe to the container, use it up or abandon it properly.
- [9] When the use of this product is completed, it should be abandoned of properly according to the rules of the country and region.

2) Important Basic Cautions

- [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. In case of accidental ingestion, consult immediately a physician

【Storage Methods】

- Store at a dark place at room temperature (below 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. (According to our firm data)

【Single Item Packing】

Body Resin (22types): Paste 6g in a plastic syringe/1 syringe in a paper box
Opaque (13types): Paste 3mL in a plastic syringe/1 syringe in a paper box
Opaque Primer: Liquid 9mL in a plastic bottle/1 bottle in a paper box

【Manufacturer】

Company: MUTSUMI CHEMICAL INDUSTRIES CO., LTD.
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