

**GC Fuji ORTHO™ LC CAPSULE**

LIGHT-CURED ORTHODONTIC BONDING ADHESIVE IN CAPSULES
Use only as a dental professional in the recommended indications.

RECOMMENDED INDICATIONS

- Bonding metal brackets and attachments.
- Bonding ceramic brackets.
- Bonding appliances for periodontal treatment.
- Band cementation only when extra band retention is desired.

CONTRAINDICATIONS

- Avoid use of this product in patients with known allergies to glass ionomer cement, methacrylate monomer or methacrylate polymer.
- Bonding polyacrylate brackets.
- Bonding appliances for orthodontic treatment.
- Use of stainless steel crown-retained appliances (e.g., Herbst Appliances).

DIRECTIONS FOR USE

- ENAMEL PREPARATION**
 - Using a prophylax cup or brush, clean the bonding surfaces of the teeth with thoroughly with water.
 - Rinse thoroughly with water.
 - Apply a slurry of a cotton pellet, apply ORTHO CONDITIONER to the bonding surfaces of the teeth for 20 seconds. Rinse thoroughly.
 - Although successful results have been obtained with no enamel pretreatment, conditioning of the enamel bonding surfaces will increase the adhesive's bond strength. It is therefore recommended, especially for new users of GC Fuji ORTHO LC.

Use the enamel bonding surfaces according to the etchant manufacturer's instructions. Rinse thoroughly.

The enamel bonding surfaces must be moist. An overly dry or desiccated enamel surface will adversely affect the bond strength. The optimum level of moisture is achieved by wetting the bonding surfaces of the teeth with a moistened cotton roll immediately prior to bracket bonding. If the adhesive's bond strength is affected by desiccation, the bonding surfaces should be re-wetted with the moistened cotton roll before bonding.

2. CAPSULE ACTIVATION AND MIXING

- Before activation, shake the capsule or tilt its side on a hard surface so that the capsule will settle.
- To activate the capsule, push the plunger until it is horizontal with the main body and hold it down for 2 seconds (Fig. 1).

- Ensure the plunger is fully pressed to avoid the incorrect mixing ratio of powder and liquid, and ensure the correct mixing ratio.
- Turn the control dial either (or an amalgamator) and mix for 10 seconds (+/- 4.000 RPM) (Fig. 3). The working time is approximately 3 minutes from start of mix to 25°C (77°F). Higher temperatures shorten working time and lower temperatures will extend it. Inhomogeneous curing of the material is recommended immediately prior to activation and use.

The capsule should be activated just prior to mixing. After curing, immediately excise the adhesive onto the bonding surface of the teeth.

- EXTRUDING THE ADHESIVE**
 - Insert capsule from the mixer and load it into the GC CAPSULE APPLIER.
 - Excise the material by pulling the lever 4 or 5 times (Fig. 4). Coat the bonding surface of the bracket with adhesive completely with adhesive.

- To adjust the direction of the nozzle, hold the applicator with the capsule towards you and turn the capsule body.
- To remove the used capsule, push the applicator release button to the capsule and pull upwards.
- GC Fuji ORTHO LC CAPSULE may not function properly in a non GC-manufactured capsule applicator. If different capsule applicator is to be used, please check compatibility prior to use.

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- 4. BONDING PROCEDURE**
 - Brackets
 - On the bonding surface of the bracket completely with the mixed adhesive.
 - Position the bracket firmly against the enamel surface. Using an eraser or a scaler, remove the excess adhesive at this time. Press the bracket against the enamel surface. Hold the bracket in place for 10 seconds in a quadrant or in the full arch. More than one mix of adhesive may be necessary to completely coat the bracket.
 - Curing for approximately 5 seconds.

AFTER REMOVING EXCESS ADHESIVE, BE CAREFUL NOT TO DISTURB THE BRACKETS BEFORE THE ADHESIVE IS CURED. MOVEMENT OF THE BRACKETS AT THIS POINT MAY CAUSE THE BOND TO STRENGTHEN.

- Using a curing light (470nm wavelength), cure each bracket for 10 seconds each from both sides.
- It is very important that the curing light be tested periodically with a light meter to ensure adequate light output.

- Use the curing light according to standard procedures. A light force wire (e.g., 016 NITI or equivalent) is recommended at the initial bonding.

- Bonding ceramic brackets. Chemically-retentive bases must be fully prepared before bonding.**
 - Prepare the ceramic brackets according to the manufacturer, etch and siltane before bonding with GC Fuji ORTHO LC. If brackets become contaminated, follow the manufacturer's instructions for cleaning, and/or etching and silanating. No treatment is required for mechanically-retentive bases.

- BRACKET BONDING IN A RESTORATION:** Prepare porcelain surfaces by etching and silanating according to manufacturer's directions. Bond with GC Fuji ORTHO LC (as per above).

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- ACRYLIC APPLIANCE**
 - Brackets of a rotary instrument, roughen and place retention holes in the internal surfaces of the appliance.
 - Roughen the teeth as mentioned in section #1.
 - Apply the mixed adhesive with a scaler or rotary instrument only on the occlusal surfaces of the teeth.
 - Position the appliance with GC Fuji ORTHO LC.
 - Seat into proper position.
 - Immediately remove excessive adhesive from the periphery of the appliance.

- DEBONDING PROCEDURE**
 - Grasp the bracket with a ligature cutter or wire, and while supporting the tooth with fingers from the lingual side, give a sharp clockwise rotation to the bracket. If resistance is met, try again twisting in the opposite direction after descaling (using an air spray) the tooth around the bracket.

- APPLIANCE**
 - Remove bonded appliances, free the appliance in multiple sites with band removing pliers. If this does not remove the appliance, section the appliance, desiccate the adhesive, and remove the appliance.

- STORAGE**
 - For optimum performance, store in a cool and dark place (4-25°C / 39-77°F).

- PACKAGE**
 - 50 Capsules
 - Contents: 0.30g powder and 0.10g (0.085ml) liquid
 - Minimum net volume of mixed adhesive per capsule: 0.1ml
 - GC CAPSULE APPLIER (1 piece)

- CAUTION**
 - In case of contact with oral tissue or skin, remove immediately with a sponge or cotton soaked in alcohol. Flush with water.
 - In case of contact with eyes, flush immediately with water and seek medical attention.
 - In case of contact with skin, wash immediately with water and seek medical attention.
 - In case of contact with mucous membranes, rinse with water and seek medical attention.
 - In case of contact with clothing, wash immediately with water and seek medical attention.

- UNDESIRABLE EFFECTS - Reporting:**
 - If you become aware of any kind of undesired effect, reaction or similar events experienced by use of this product, including those not listed in this instruction for use, please report them directly through the relevant vigilance system by selecting the proper authority of your country accessible through the following link: <http://www.gcreurope.com>

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**GC Fuji ORTHO™ LC CAPSULE**

FOTOPOLIMERIZIJAJ ORTODONTSKI CIJMENT ZA ZALEPŪVANJE B KAPSIJLI
Upotreba samo od stomatologa za preporuĉane indikacije.

PREPORUĀENI INDIKACIJE

- Zalepivanje na metalne brijeske i pripodnosbenja.
- Zalepivanje na keramiĉke brijeske.
- Zalepivanje na aparate za periodontalno lijeĉenje.
- Zalepivanje na prstenje samo, kada je potrebno dodatno zalepivanje.

KONTRAINDIKACIJE

- Izbjegavajte upotrebu na pacijentima koji imaju alergije na stakloionomerni cement, metakrilatni monomer ili metakrilatni polimer.
- Zalepivanje na akrilne brijeske.
- Zalepivanje na aparate za ortodontsko lijeĉenje.
- Zalepivanje na pokrivaĉke brijeske.

- ENAMELNE POKRIVNICE**
 - Upotrijebite pastu za brijeske, oĉistite površine zuba i temeljito isperite vodom.
 - Uklonite preostalu pasta za brijeske i isperite vodom.
 - Uklonite preostalu pasta za brijeske i isperite vodom.
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- 2. AKTIVIRANJE KAPSIJE I MJEŠANJE**
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