

Fig. 1 / Abb. 1

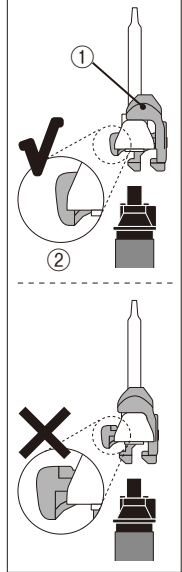
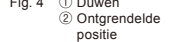
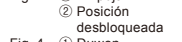
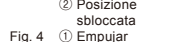
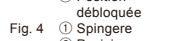
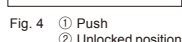
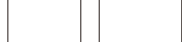
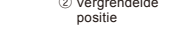
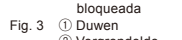
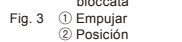
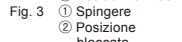
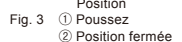
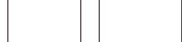
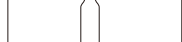
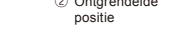
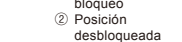
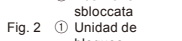
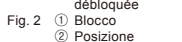
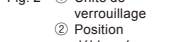
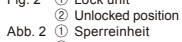


Fig. 2



GC FujiCem™ Evolve

RADIOPAQUE RESIN REINFORCED GLASS IONOMER LUTING CEMENT

For use only by a dental professional in the indications for use.

INDICATIONS FOR USE

1. Cementation of metal-based inlays, onlays, crowns and bridges
2. Cementation of resin inlays, onlays, crowns and bridges
3. Cementation of all ceramic inlays
4. Cementation of high strength (e.g. zirconia based, lithium disilicate etc.) all ceramic inlays, onlays, crowns and bridges
5. Cementation of dental, ceramic and fiber posts

CONTRAINDICATIONS

1. Direct pulp capping
2. Avoid use of this product in patients with known allergies to glass ionomer cement, methacrylate monomer or methacrylate polymer.

COMPOSITION

Paste A: Fluoro-alumino-silicate glass, dimethacrylate, methacrylate, silicon dioxide, initiator, pigment, stabilizer

Paste B: Contrast agent, water, polyacrylic acid, carboxylic acid, silicon dioxide, initiator, stabilizer

DIRECTIONS FOR USE

Paste / Paste ratio (g/g) 1.0 / 1.0

Working time (23°C/73°F) (min., sec.) 2'15"

Setting Time (37°C/99°F) (min., sec.) 4'30"

ISO 9917-2 Class 1, Luting

Note: Its radiopacity is equivalent to 2.5 mm of 250% aluminum. (The radiopacity of aluminum is comparable to dentin.)

1. TOOTH PREPARATION

1. Prepare tooth in a usual manner. For pulp capping, use calcium hydroxide.

2. Clean the prepared tooth with pumice and water.

Note:

- a) 1% NaClO, EDTA or Chlorhexidine can be used to clean the prepared tooth. Do not use substances like H₂O₂ (hydrogen peroxide) and other disinfectants as they may lower the bond strength.
2. Optionally, apply GC Fuji PLUS CONDITIONER on the prepared tooth surface for 20 seconds for optimal adhesion.
3. Rinse thoroughly with water. Remove excess moisture by blotting with a cotton pellet or gently blowing with an oil-free air. DO NOT DESICCATE. Prepared surfaces should appear moist (glistening).

2. RESTORATION PREPARATION

Make sure that the restoration is pretreated and dried according to the manufacturers instructions.

3. DISPENSING

A. AUTOMIXING WITH GC Push and Click Tip

- a) Remove the cap of the syringe.

Note:

- i) If the material has been refrigerated, leave the syringe in room temperature for 10 minutes.

2. Before every use, insert the first time from a new syringe or syringe tip and confirm the pastes are at the same level to ensure even flow from the syringe.

3. Before dispensing the first time from a new syringe or after a long interval in between use, bleed the pastes from the syringe. Cut off the extruded paste from the syringe nozzle by moving the syringe to an upright position on a mixing pad (Fig. 1).

4. Before attaching the GC Push and Click Tip, confirm that the lock unit is in the unlocked position (Fig. 2).

5. Place GC Push and Click Tip lightly on the syringe nozzle and push the lock unit down to the locked position until you hear a click (Fig. 3).

6. Discard the initial mix until a uniform color paste is reached.

7. Extrude the material directly into the restoration.

Note:

- i) Make sure to push the plunger from the center in order to avoid uneven flow.

8. Remove the GC Push and Click Tip by pushing the lock unit to the unlocked position (Fig. 4). Replace the cap.

B. HAND MIXING

- a) Remove the cap of the syringe.

Note:

If the material has been refrigerated, leave the syringe in room temperature for 10 minutes.

2. Before dispensing the first time from a new syringe or after a long interval in between use, bleed the pastes from the syringe.

3. Dispense the required amounts of paste onto the mixing pad.

4. Cut off the extruded paste from the syringe nozzle by moving the syringe to an upright position on the mixing pad (Fig. 1).

5. Spread the two pastes thinly on the mixing pad using a sterile spatula. Mix thoroughly, with tapping strokes, for 10 seconds. Be careful not to incorporate air bubbles.

Note:

- i) Larger amount of paste requires a longer mixing time (15 seconds).

6. Clean the syringe tip.

7. Let the material cure for 4 minutes 30 seconds after seating the restoration.

C. CEMENTATION

a) Coat the internal surface of the restoration with sufficient cement and seat immediately on the preparation. The working time is 2 minutes 15 seconds from start of mixing at 23°C (73°F). Higher temperature will shorten and lower temperature will prolong working time.

b) Make sure that GC FujiCem Evolve flows around all margins.

5. EXCESS CEMENT REMOVAL

Remove excesses using one of the techniques below:

- i) Keep moderate pressure and make sure the restoration remains in place. Once the cement is completely rubbery consistency, remove it with a probe, a scaler or another appropriate instrument. Make sure that excess is thoroughly removed from difficult-to-access areas (e.g. interproximal areas).

2. Tack cure each surface with a visible light curing unit for 10 seconds until it reaches a rubbery consistency. Then remove the excess using a probe or another appropriate instrument, while holding the restoration in position.

3. Reaching a good consistency for excess removal depends on the light-curing unit being used. It is important to find the best combination of unit, intensity, and distance of the curing light in use.

7. FINAL POLISHING

If needed, finish and polish margins with appropriate instruments.

SHADE

Universal

STORAGE

Recommended for optimal performance, store at room temperature (15-25°C) (59-77°F) in a dry, dark place.

PACKAGES

1. GC FujiCem Evolve Single Pack (9.2 g / 5.0 mL) (1).

2. GC Push and Click Tip Regular (15).

3. GC FujiCem Evolve Triple Pack Automatic (15).

4. GC Push and Click Tip Regular (15).

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