

Irradiation time chart

For all shades
Depth of cure: 2 mm

	Halogen/LED	G-Light
Distance from light guide tip (<10 mm)	20 sec.	20 sec.
Distance from light guide tip (>10 mm)	40 sec.	40 sec.

Note: Intensity of plasma arc light varies depending on the device. Please follow the manufacturer's recommendation.

6. Finishing

- Finish under water spray using standard techniques (with superfine diamond burs, silicone points, GC NEW METAL STRIP or EPITEX).
- Apply GC Fuji VARNISH or GC Fuji COAT LC.

STORAGE

Store at room temperature of 4 - 25°C (39.2 - 77.0°F), away from open flame, high temperature or direct sunlight.

Shelf life: 2 years from date of manufacture.

SHADES

A1, A2, A3, A3.5, CV, Blue

A shades are based on VITA®* classic shade guide.

*VITA® is a registered trademark of Vita Zahnfabrik, Bad Säckingen, Germany.

PACKAGE

- 1 GC Fuji Filling LC Cartridge 8 g (3.9 mL)
- 1 Mixing Pad

CAUTION

- In case of contact with eyes, flush immediately with water and seek medical attention.
- In case of contact with oral tissue or skin, remove immediately with a sponge or cotton soaked in alcohol. Flush with water.
- If the tissue contacted by SELF CONDITIONER turns white or forms a blister, advise the patient to leave the affected area undisturbed, until the mark disappears, usually in 1-2 weeks. To avoid such contact, it is recommended to use rubber dam and apply cocoa butter where rubber dam cannot cover.
- Operating light will reduce the working time.
- If water, blood or saliva contacts the prepared tooth surface after the treatment with SELF CONDITIONER, repeat the treatment.
- Dry the tooth or applied SELF CONDITIONER with an oil free air syringe.
- Use a protective light shield or similar protective eye wear during light curing.

GC

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GC Fuji Filling LC

RADIOPAQUE LIGHT-CURED REINFORCED GLASS IONOMER RESTORATIVE

Prior to use, carefully read the instructions for use.

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

RECOMMENDED INDICATIONS

- Class III and V restorations in permanent teeth
- Class I, III and V in deciduous teeth
- Core build-ups (particularly of vital teeth). Sufficient remaining coronal dentin should be left for retention.
- Cases in which a radiopaque restoration is required., e.g. Base material

CONTRAINDICATIONS

- Pulp capping.
- In rare cases the product may cause some people sensitivity. If any such reactions are experienced, discontinue the use of the product and refer to a physician.
- In combination with eugenol containing materials. Eugenol may prevent GC Fuji Filling LC from setting or bonding to tooth structure.

PHYSICAL PROPERTIES

Paste/Paste Ratio (g/g)	3.3 / 1.0	Light Curing Time (sec.) (Halogen/LED)	20"
Mixing Time (sec.)	10"	Depth of Cure (mm)	2
Working Time (min., sec.)	3'30"		

Test conditions: Temperature (23 +/-1°C) (73 +/-2°F), Relative humidity (50 +/-10%)
ISO9917-2 : 1998 (E) (Light-activated cements) (Type I)

IDENTIFICATION OF PARTS (Fig. 1)

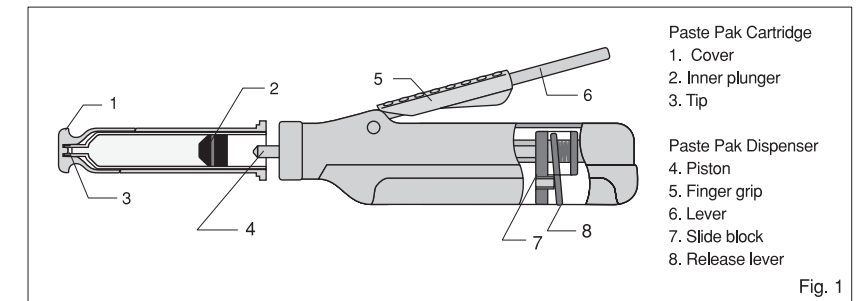


Fig. 1

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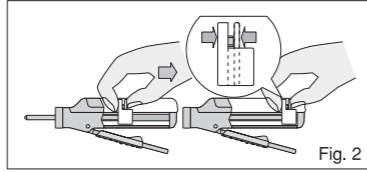
DIRECTIONS FOR USE

Please also refer to PASTE PAK DISPENSER instructions.

1. Paste Pak Cartridge Loading

- a) Make sure that the piston is completely retracted into the dispenser (Fig. 2).

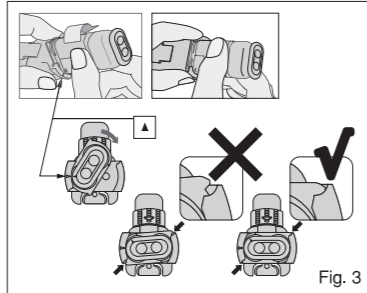
Note: To retract the piston, hold both the slide block and release lever (on the underside of the dispenser) with fingers and pull them back together.



- b) Load the cartridge into the Paste Pak Dispenser (Fig. 3).

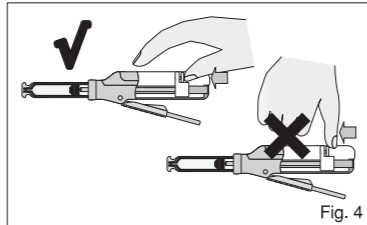
- 1) Ensure the ▲ mark on the cartridge lines up with the ▲ mark on the Paste Pak Dispenser as illustrated.
- 2) Then turn the cartridge fully to the right position.

Note: To remove the cartridge, retract the piston fully and turn the cartridge back to the marked positions.



- c) After cartridge loading, slide the release lever forward until it stops (Fig. 4).

- 1) Push the front of the release lever.
- 2) Do not push the upper side.



2. Paste Dispensing

Prior to dispensing, ensure that the cartridge is firmly set in the dispenser so the correct amount of pastes will be dispensed.

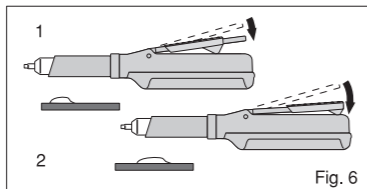
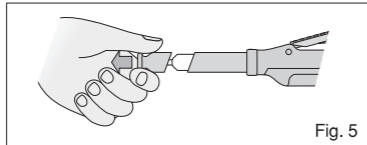
- a) Remove the cartridge cover (Fig. 5).

- b) Depress the lever to dispense the required amounts of paste onto the mixing pad.

Note:

- 1) When dispensing the material from a new cartridge, or after a long interval, remove air at the nozzle tips by extruding the paste and levelling off.
- 2) The finger grip can be moved forward or backward to change the quantity of material to be dispensed (Fig. 6).

1. Position of Finger grip for one inlay.
2. Position of Finger grip for one crown.



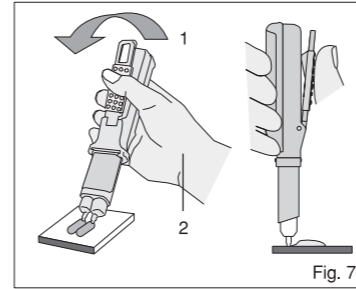
- c) While depressing the lever, level and cut off the extruded material from the tips of the cartridge by moving the cartridge and dispenser to an upright position on the mixing pad (Fig. 7).

1. Level and cut off material.
2. Depressing the lever.

When the lever is released after dispensing, residual pastes at the tips are retracted into the cartridge. Replace the cartridge cover.

Note:

- 1) If any surplus paste is retained on the cartridge tips after dispensing, remove with gauze, etc.
- 2) The amount of residual material in the cartridge can be confirmed by the position of the slide block on the underside of the dispenser.
- 3) Do not drop the dispenser with the cartridge. Otherwise the cartridge may be damaged.



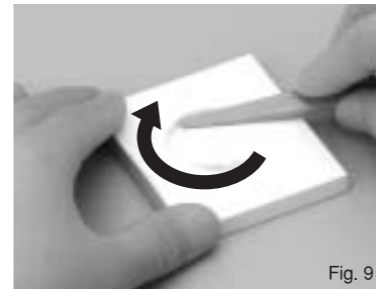
3. Mixing

After dispensing, spread the material thinly on the mixing pad using a plastic spatula and **mix thoroughly with lapping strokes for 10 seconds.**

Be careful not to incorporate air bubbles.

Note:

- 1) When a large amount is required for restoration, mix for 15 seconds.
- 2) The working time is 3 minutes and 30 seconds from the start of mixing at 23°C (73.4°F). Standard paste/paste ratio is 3.3 g / 1.0 g or 2/1 volume ratio (A/B).
- 3) Higher temperature will shorten working time and lower temperature will extend working time.
- 4) Do not mix with any other materials.



4. Preparation of the Lesion

Note: It is recommended to use rubber dam to isolate tooth.

- a) Prepare the lesion using a standard technique. For pulp capping, use calcium hydroxide. Mechanical retention is not necessary. For a non cavitated Class V, clean the lesion with pumice and water, rinse thoroughly, and dry gently with an oil free air syringe.

- b) Dispense 1 or 2 drops of SELF CONDITIONER into a dispensing dish. Apply a thin layer of the conditioner to the bonding surfaces using a sponge or disposable micro-tip applicator, leave undisturbed for 10 seconds. **DO NOT RINSE.**

- c) Dry by gently blowing with an oil free air syringe for 5 seconds to remove excess moisture. **DO NOT DESICCATE.**

Note:

- 1) SELF CONDITIONER is specially recommended for use with GC Fuji Filling LC. The use of other conditioners such as CAVITY CONDITIONER or DENTIN CONDITIONER may result in inadequate bond strength.
- 2) Should the applied conditioner be rinsed away, dry the cavity and apply the conditioner again.



Fig. 10

Wait 10 seconds

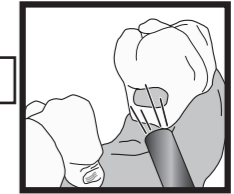


Fig. 11

5A. Application

- Transfer the mixed material to the cavity using a suitable instrument or syringe tip.
- Slightly overfill the cavity or cover with a matrix.
- Immediately light cure the material with a visible light curing device.

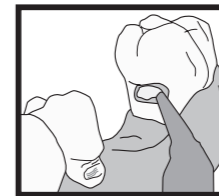


Fig. 12

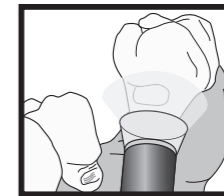


Fig. 13

5B. Application as a base or in a sandwich technique

- Transfer the mixed material using a suitable instrument or syringe tip.
- Apply to base of preparation.
- Immediately light cure the material with a visible light curing device.

Note:

In case of a large or deep cavity, use layering technique.