

## USES

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1. Core build-ups.
2. Bases under composite resin and amalgam.
3. Cases where radiopacity is required.
4. Others, temporary fillings, etc.

## FEATURES

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1. Visible light cured in 20 seconds.
2. Superior biocompatibility.
3. Strong chemical bonding to tooth structure.
4. High strength and durability.
5. Excellent fluoride release.
6. Excellent radiopacity for diagnostic purposes.
7. Blue shade to easily distinguish material from tooth structure.

## DIRECTIONS FOR USE

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### 1. TOOTH PREPARATION

Isolate tooth with rubber dam or cotton rolls. Prepare tooth in the usual manner.

Notes :

- 1) At least one half of coronal tooth structure should be left for application of GC Fuji II LC CORE Material as a core build up material.
- 2) Multiple missing cusps may require placement of pins for retention.

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### 2. CLEANING AND DRYING

Apply GC Cavity Conditioner (available separately) to the cavity for 10 seconds to clean the surface. Or apply

GC Dentin Conditioner for 20 seconds. Then rinse the area thoroughly with water and dry. DO NOT DESICCATE.

Notes :

- 1) Application of GC Cavity Conditioner or Dentin Conditioner improves the adhesive strength of GC Fuji II LC CORE Material to tooth structure.
- 2) Apply small amount calcium hydroxide to areas of possible pulpal exposure.

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### 3. POWDER AND LIQUID DISPENSING

a. The standard powder / liquid ratio is 3.6g / 1.0g. This consistency can be obtained with one level spoonful of powder and two drops of liquid.

b. For accurate dispensing of the liquid, hold the liquid bottle vertically upside down. Allow air bubbles to escape before dispensing. If the liquid clogs at the tip of the nozzle, remove it with a damp gauze. This allows for accurate dispensing.

Note : The first one or two drops from the newly opened bottle are smaller in amount than drops to be dispensed later.

c. After use, tightly close both liquid and powder bottles to prevent exposure to light.

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### 4. MIXING

Place the specified amounts of powder and liquid onto the paper pad. Divide the powder into two equal parts with the plastic spatula. Incorporate the first portion into the liquid, and mix them for about 10 seconds. Then add the second part and mix for 10-15 seconds. Total

mixing time should not exceed 20-25 seconds.

Notes :

1) Do not mix the powder or liquid of GC Fuji II LC CORE Material with any other glass ionomer product.

2) The material is designed for use at room temperatures of 21-25°C(69.8-77°F). The manipulation time is 2 minutes after completion of mixing at 23°C(73.4°F). Higher temperatures will shorten the working time, and lower temperatures will delay it.

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### 5. PLACEMENT

C-R Syringe (Centrix INC.) is highly recommended for placement. Load the mixture into a PCR tube by moving the tube through the material. Syringe material onto the prepared area to fill the preparation. When using a pin, first inject the mixture onto and around the pin. After filling, form the contour with an instrument.

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### 6. LIGHT CURING

Cure for 20 seconds with a visible light curing device (470 nm wave-length).

Note : If the application is to exceed 2 mm in depth, use a layering technique.

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### 7. SHAPE CORRECTION

After light curing cement, contour as necessary with a diamond bur under water spray. Then take an impression of the core. For temporary cementation,

GC Freegenol Temporary Pack or Nogenol Temporary Cement is recommended. For final cementation, GC Fuji I, Fuji Plus or FujiCEM is recommended.

## NOTES

1. Avoid use of GC Fuji II LC CORE Material with patients who have a history of allergy to glass ionomer cements.
2. Do not use GC Fuji II LC CORE Material with patients who show an allergy to the material. In case of allergy, immediately stop using it and advise them to consult a physician.
3. The operator who has a history of allergy to glass ionomer cements should not handle GC Fuji II LC CORE Material. In case of allergy, he should immediately stop using it and consult a physician.
4. Do not allow the liquid or cement mixture to contact the oral tissues or skin. In case of contact, immediately remove the material with absorbent cotton soaked in alcohol and rinse with water.
5. Avoid contact of the liquid or cement mixture with eyes. In case of contact, immediately flush with water and seek medical attention.
6. When using a curing light, wear protective glasses and do not look directly into the light.
7. This product is for use only by a dental professional.
8. This product should be used only for the applications described in the instructions.

## STORAGE

Store in a cool and dark place (4-25°C/39.2-77.0°F).  
(Shelf life : powder 3 years, liquid 2 years from date of manufacture)

## SHADE

Blue

## PACKAGES

1. 1-2 package : 35g powder (1), 6g (5.1mL) liquid (2), powder scoop, mixing pad (#23), plastic spatula (#1)
2. Bottle of 35g powder with a powder scoop
3. Bottle of 6g (5.1mL) liquid

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# GC Fuji II LC CORE Material

LIGHT-CURED GLASS IONOMER CEMENT

Prior to use,  
carefully read  
the instructions  
for use.

GC Fuji II LC CORE Material is a light-cured resin reinforced glass ionomer developed for use as a core build up material. GC Fuji II LC CORE Material features biocompatibility, fluoride release and chemical adhesion to dentin, enamel and pins.