

# GC Aligner Connect

## LIGHT-CURED INJECTABLE COMPOSITE FOR ALIGNER ATTACHMENT

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

### INDICATIONS FOR USE

Build-ups for transparent, removable orthodontic retainers

### CONTRAINDICATIONS

Avoid use of this product in patients with known allergies to methacrylate monomer or methacrylate polymer.

### DIRECTIONS FOR USE

#### A. TEETH PREPARATION

1. Clean tooth surfaces to be bonded with pumice and water. Rinse thoroughly with water. Dry by gently blowing with oil-free air.
2. Bonding Treatment. For bonding GC Aligner Connect to enamel and/or dentin, use a light-cured bonding system (e.g. G-Premio BOND). Follow bonding agent manufacturer's instructions.

Note:

If the surface to be bonded contains porcelain, zirconia, metal or composite, it should be treated accordingly. Porcelain and composite should be sandblasted and pre-treated with silane. Zirconia and metal should be sandblasted. Refer to adhesive/primer manufacturer's instructions.

#### B. PLACEMENT OF GC Aligner Connect ON THE TRANSFER TRAY

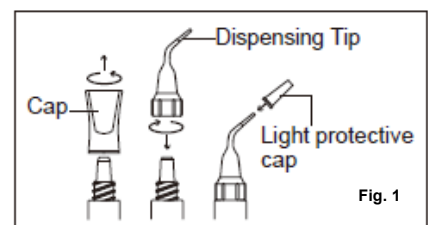
1. Hold syringe upright and remove cap by turning counterclockwise (Fig. 1).
2. Promptly and securely attach dispensing tip to the syringe by turning clockwise.

Note:

Take care not to attach the dispensing tip too tightly. This may damage threads. In order to ensure a tight connection, make sure that threads are free of remnant material.

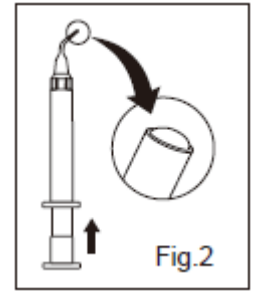
3. Place light protective cap on tip until use.
4. Remove cap from dispensing tip.

Note:



Prior to dispensing material into transfer tray, make sure to check the following:

- a. Dispensing tip is securely attached to the syringe.
- b. Possible air from the dispensing tip is removed by gently pushing forward the syringe plunger with tip pointing upwards until material reaches the opening of the tip (Fig. 2).



5. Place dispensing tip as close as possible to the transfer tray, and slowly push the plunger to extrude material.

Note:

- a. If plugged, remove dispensing tip and extrude a small amount of material directly from the syringe.
- b. Minimize exposure to ambient light. Ambient light can shorten working time.
- c. After use, immediately remove and dispose of dispensing tip and tightly close syringe with its cap.
- d. Do not use an opaque transfer tray. This may cause uncured/incomplete attachment resin polymerization after light-curing.

#### Clinical Hints

In order to inject effectively, ensure uniformity across entire surface of the attachment during build up. Once the required amount has been injected, release pressure on the plunger and withdraw syringe in a direction perpendicular to the surface. This will allow material to separate from the dispensing tip and provides a smooth surface over the attachment.

#### C. BUILD UP ATTACHMENT ON TEETH

1. Set transfer tray in the oral cavity.
2. Light cure GC Aligner Connect on each attachment area with an LED light curing device (10 sec.: High power LED >1200 mW/cm<sup>2</sup>, 20 sec.: Halogen/LED, >700 mW/cm<sup>2</sup>). Keep light guide as close as possible to the material of GC Aligner Connect.

Light curing device and Irradiation time

| Light curing device                                | Irradiation time |
|--|------------------|
| High power LED (more than 1200mW/cm <sup>2</sup> ) | 10 sec.          |
| Halogen/LED (700-1200 mW/cm <sup>2</sup> )         | 20 sec.          |

3. Remove transfer tray from the oral cavity.
4. If necessary, finish and polish using standard techniques.

#### D. REMOVE ATTACHMENT

When orthodontic treatment no longer requires the attachment, remove attachment with

diamond bur or silicon point.

## **SHADE**

A2

## **STORAGE**

Recommended for optimal performance, store in a cool and dark place (4-25°C/39.2-77.0°F) away from high temperatures or direct sunlight.

## **PACKAGE**

1. Syringe 3.4 g (2.0 mL) x 1, DISPENSING TIP III (plastic) x 20, Light-protective cap x 1
2. Dispensing Tip Refill:
  - 30 DISPENSING TIP III (plastic type), 2 light protective cap
  - 30 DISPENSING TIP III (needle type), 2 light protective cap

## **CAUTION**

1. Avoid getting material on clothing.
2. Dispensing tips are for single patient use only. To prevent cross contamination between patients, do not reuse dispensing tip. The dispensing tip cannot be sterilized in an autoclave or chemiclave.
3. Dispose of all wastes according to local regulations.
4. Do not mix with other similar products.
5. Do not use this product in combination with eugenol containing materials as eugenol may hinder this product from setting.
6. Do not wipe the dispensing tip with excessive alcohol as this may cause contamination of the paste.
7. In case of contact with eyes, flush immediately with water and seek medical attention.
8. In case of contact with oral tissue or skin, remove immediately with cotton or a sponge soaked in alcohol. Flush with water. To avoid contact, a rubber dam and/or COCOA BUTTER can be used to isolate the operation field from skin or oral tissue.
9. In rare cases product may cause sensitivity in some people. If any such reactions are experienced, discontinue use of product and refer to a physician.
10. Personal protective equipment (PPE) such as gloves, face masks and safety eyewear should always be worn.
11. Prior to starting the filling process, partially extrude paste outside of patient's mouth and away from the patient to ensure paste is flowing properly.
12. Take care to avoid ingestion of material.
13. Wear plastic or rubber gloves during operation to avoid direct contact with air inhibited resin

layers in order to prevent possible sensitivity.

14. Wear protective eyeglasses during light curing.
15. When polishing polymerized material, use a dust collector and wear a dust mask to avoid inhalation of cutting dust.
16. Take care not to fill transfer tray with excessive amounts of paste so that the paste does not flow out when the transfer tray is set in the oral cavity. When the paste flows out and contact with unintended areas such as gums, remove transfer tray before light curing, remove with instrument, sponge or cotton pellet and start over from tooth surface cleaning step.

Last revised: 05/2021

Cap

Dispensing Tip

Light protective cap

