

G-ænial® Flo X

LIGHT-CURED RADIOPAQUE FLOWABLE COMPOSITE

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

RECOMMENDED INDICATIONS

1. Liner or base
2. Blocking out undercuts
3. Repair of (in) direct aesthetic restorations, temporary crown & bridge, defect margins when margins are in enamel
4. Sealing hypersensitive areas
5. Fissure sealant
6. Direct restorative for Class II, III, IV, I and V cavities including small cavities which require high flowability.

CONTRAINDICATIONS

In rare cases the product may cause sensitivity in some people. If any such reactions are experienced, discontinue the use of the product and refer to a physician.

Operation

1. Preparations

- 1) Hold the syringe upright and remove the cap by turning counterclockwise.
- 2) Promptly and securely attach the dispensing tip to the syringe by turning clockwise.
- 3) Place the light protective cover until use.

Note :

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

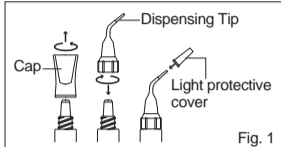


Fig. 1

2. Shade Selection

Clean the tooth with pumice and water. Shade selection should be made prior to isolation. Select the appropriate shade from 8 shades of A1, A2, A3, A3.5, A4, AO2, AO3 and CV. A shades are based on the Vita® classical shade guide.

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

3. Cavity Preparation

Prepare cavity using standard techniques. Dry by gently blowing with oil free air. Rubber dam is recommended to isolate prepared tooth from contamination with saliva, blood or sulcus fluid.

Note :

For pulp capping, use calcium hydroxide.

4. Bonding treatment

For bonding G-ænial Flo X to enamel and/or dentine, use a light-cured bonding system such as GC G-ænial Bond, GC G-BOND, GC Fuji Bond LC, GC UniFil® Bond. Follow manufacturer's instructions.

5. Placement of G-ænial Flo X

- 1) Remove cover from the dispensing tip.

Note:

Prior to syringe material into the cavity, make sure to check the following.

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

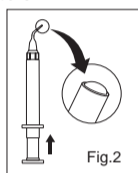


Fig.2

- 2) Place the dispensing tip as close as possible to the prepared cavity, and slowly push the plunger to syringe material. Alternatively, dispense material onto a mixing pad and transfer to the cavity using a suitable instrument.

Note :

- a. If plugged, remove the dispensing tip and extrude a small amount of material directly from the syringe.
- b. Minimize exposure to ambient light. Ambient light can shorten the manipulation time.
- c. After use, immediately remove and dispose the dispensing tip and tightly close the syringe with the cap.

Clinical Hint

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

6. Light Curing

Light cure the G-ænial Flo X using a light curing unit. Keep light guide as close as possible to the surface. Refer to the following chart for Irradiation Time and Effective Depth of Cure.

Shade	Irradiation time	5 sec. (Plasma arc) (2000mW/cm ²)
		10 sec. (GC G-Light) (1200mW/cm ²) 20 sec. (Halogen/LED) (700 mW/cm ²)
A1, A2, A3		2.0mm
A3.5, A4, CV, AO2, AO3		1.5mm

Note :

1. Material should be placed and light cured in layers. For maximum layer thickness, please consult above table.
2. Lower light intensity may cause insufficient curing or discoloration of the material.

7. Finishing and Polishing

Finish and polish using standard techniques.

SHADES

A1, A2, A3, A3.5, A4, AO2, AO3 and CV

STORAGE

Store in a cool and dark place (4 - 25°C / 39.2 - 77.0°F) away from high temperatures or direct sunlight.

(Shelf life : 3 years from date of manufacture)

PACKAGES

1. Syringe 3.6g (2.0mL), 20 dispensing tips (plastic type), 1 light protective covers
- Dispensing tip package:
2. 30 dispensing tips (plastic type), 2 light protective covers
3. 30 dispensing tips (needle type), 2 light protective covers

CAUTION

1. 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 the skin or oral tissue.
2. In case of contact with eyes, flush immediately with water and seek medical attention.
3. Take care to avoid ingestion of the material.
4. Do not mix with other similar products.
5. Dispensing tips are for single use only. To prevent cross contamination between patients, do not reuse the dispensing tip. The dispensing tip cannot be sterilized in an autoclave or chemiclave.
6. Wear plastic or rubber gloves during operation to avoid direct contact with air inhibited resin layers in order to prevent possible sensitivity.
7. Wear protective eye glasses during light curing.
8. When polishing the polymerized material, use a dust collector and wear a dust mask to avoid inhalation of cutting dust.
9. Avoid getting material on clothing.
10. In case of contact with unintended areas of tooth or prosthetic appliances, remove with instrument, sponge or cotton pellet before light curing.
11. Do not use G-ænial Flo X in combination with eugenol containing materials as eugenol may hinder G-ænial Flo X from setting.
12. Do not wipe the dispensing tip with excessive alcohol as this may cause contamination of the paste.
13. Dispose of all wastes according to local regulations.

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