

Prior to use, carefully read the instructions for use.

G-aenial® Universal Flo

UNIVERSAL LIGHT-CURED RADIOPAQUE FLOWABLE

COMPOSITE

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

RECOMMENDED INDICATIONS

1. Direct restorative for Class I, IV, II and V cavities.
2. Enamel
3. Sealing hypersensitive areas
4. Repairing (in) direct aesthetic restorations, temporary bonding, tooth margins where margins are in enamel
5. Bonding undercuts
6. Line base
7. Realization of crowns & veneers, inlays and onlays using the indirect technique in combination with GC Eavar® fibers. Follow manufacturer's instructions.
8. Adhesive dentistry, including composite resin inlays and veneers with a thickness < 2.0 mm that enables the use of a pulley lighting technique.

CONTRAINDICATIONS

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

Operation

Preparation:

1. Hold the syringe upright and remove the cap by turning counter-clockwise.

2. Place the light protective cover onto the dispensing tip to the dispensing tip.

3. Turn the light protective cover until use.

Note:

Take care not to allow the dispensing tip too tightly.

The damage it causes to the dispensing tip.

4. Turn the light protective cover until use.

5. Remove the cap from the dispensing tip.

6. Remove cover from the dispensing tip.

7. Hold the syringe upright and remove the cap by turning counter-clockwise.

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G-aenial® Universal Flo

UNIVERSAL LIGHT-CURED RADIOPOLYMERABLE

COMPOSITE

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

RECOMMENDED INDICATIONS

1. Direct restorative for Clases I, III, IV, II y V cavities.

2. Sealant hypersensitive areas

3. Repair of (in) direct aesthetic restorations, temporary crowns & bridge, deficit margins when margins are too thin.

4. Blocking out undercuts

5. Liner or base

6. Realization of crowns & bridges, inlays and veneers using a light-curing technique in combination with GC Grada components (please refer to its dedicated UDF).

7. Splinting of teeth in combination with fibres such as GC everstick fibres. Follow manufacturers' instructions.

8. Adhesive luting of ceramic and composite inlays, onlays and veneers with a thickness (< 2.0 mm) that enables the use of a purely light-curing technique.

CONTRAINDICATIONS

1. Direct pulp capping.

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

3. Operative time

4. Hold the syringe upright and remove the cap by turning counter-clockwise.

5. Promptly and securely attach the dispensing tip to the syringe by turning clockwise.

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

7. Last revised: 02/2021

Vor der Benutzung bitte die Gebrauchsanweisung gründlich lesen.

DE

2. Sterile Selection

Light protective cover Clean the teeth with pumice and water. Shade selection should be made prior to isolation.

Select the appropriate shade from 15 shades of A1, A3, A5, A4, B1, B2, C3, A02, A03, BW, CV, JE, A, B, C, shade as based on the Vita® classical shade guide.

*Note: a registered trademark of VITA Zahnfabrik, Bad Säckingen, Germany

3. Cavity Preparation

Prepare cavity using standard techniques. Dry by blowing air with oil-free rubber bulb or recommended to isolate prepared tooth from contamination with saliva, blood or sputum fluid.

Note: For pulp capping, use calcium hydroxide.

4. Isolation treatment

For bonding G-aenial Universal Flo to enamel and/or dentine, use light-cured bonding system such as Grada® Bond, G-Premio® BOND or G-BOND. Follow manufacturers' instructions.

5. Placement of G-aenial Universal Flo

1). Remove cover from the dispensing tip.

Note:

Primer 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 towards the direction of the removal route of the coupling of the tip (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 extract the 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 effectively use the surface tension of the material to ensure uniformity across the entire surface of the restoration, build up the cavity.

The cavity has been isolated, 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-aenial Universal Flo 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.

Irradiation Time and Effective Depth of Cure

Time of irradiation 20 sec. (Halogen) 120mW/cm²

Shade 10 sec. (High power LED) 170mW/cm², eg GC Light Plus

20 mm

A1, A2, A3, B1, B2, B3, C1, A02, A03, BW, CV, JE, A

1.5 mm

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 and loss of material.

3. For the indirect technique light cure each layer for 30 seconds with GC LABOLIGHT LV-II for 10 seconds with GC STEPLIGHT SL-I.

7. Finishing and Polishing

Finishing and polish using standard techniques.

CEMENTATION OF INLAYS, ONLAYS AND VENEERS

1. Remove the temporary restoration, clean the preparation tooth and remove any remaining temporary cement. Rinse the prepared tooth with water spray. Dry the tooth restoration before the cementation and clean them.

2. Treatment of the restoration

1) Make sure that the restoration is pretreated and hardened according to the manufacturer's instructions.

2) Apply Ceramic Primer II, G-Multi Primer or a similar silane coupling agent to the bonding surface of the restoration according to the manufacturer's instructions. Do not rinse it.

3. Treatment of the margins

1) Selectively etch the enamel with 35-37% phosphoric acid, rinse and gently dry according to the manufacturer's instructions.

2) Apply G-aenial® Bond, G-Premio® BOND or G-BOND to the bonding surface, wash undisturbed for 10 seconds and dry thoroughly for 5 seconds using maximum air pressure. Refer to the respective instructions for use.

Note:

a. Isolation with rubber dam is recommended.

b. Make sure to blow dry with a maximum air pressure in order to obtain the thin film.

c. Do not use the bonding system, use only those which have thin film thickness to ensure the good fit of the veneer.

3) Light Curing

Light cure the G-aenial Universal Flo 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.

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7. Finishing and Polishing

Finishing and Polishing the material after the placement of the composite resin.

8. Curing of the margins using appropriate instruments for the polishing of composite resins.

SHADES

A1, A2, A3, A5, A4, B1, B2, B3, C3, A02, A03, BW, CV, JE, A

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.

PACKAGES

Syringe 3.4g (2.0ml), 20 dispensing tips (plastic type), 1 light protective cover.

Dispensing tip package.

1. 20 dispensing tips (plastic type), 2 light protective covers.

2. 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 copper/cocoa butter can be used to isolate the operation field from the skin or oral tissue.

2. 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 tip package must be used. To prevent cross-contamination between patients, do not reuse the dispensing tip. The dispensing tip cannot be sterilized in an autoclave or chemical sterilizer.

6. Do not use the bonding system to bond margins to the gingiva.

7. Do not use the bonding system to bond margins to the gingiva.

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.

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11. Prior to use, carefully read the instructions for use.

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