

G-enial® Universal Flo

UNIVERSAL LIGHT-CURED RADIOPAQUE FLOWABLE COMPOSITE

For use only by a dental professional in the recommended application techniques.

RECOMMENDED INDICATIONS

- Direct restorative for Class I, IV, III, II and V cavities.
- Filling sealant.
- Sealing hypersensitive areas.

- Take care not to use aesthetic restorations, temporary crown, defect margins when margins are in enamel.
- Use only in direct restorations.
- Inner or base.

- Realization of crowns & bridges, inlays and veneers
- Use of this product in combination with GC Grada components (please refer to its dedicated IV).

- Use of this product in combination with fibres such as GC EverStick fibres. Follow manufacturer's instructions.

- Adhesive luting of ceramic and composite inlays, onlays and veneers with a bonding agent that enables the use of a purely light-curing technique.

CONTRAINDICATIONS

- Direct pulp capping.
- Use of this product in patients with known allergies to methacrylate monomer or methacrylate polymer.

Operation

- Preparations
 - Hold the curing upright and remove the cap by turning counterclockwise.
 - Promote and securely attach the dispensing tip to the cavity by turning clockwise.
 - Place the light protective cover until use. Note: Take care not to attach the dispensing tip too tightly. This may damage its ring. In order to remove the light protective cover, make sure that the threads are free of cement material.



- Shade Selection
 - Light protective cover Clean the tooth with pumice and water. Shade of color should be made prior to isolation. Select the appropriate shade from 15 shades of A1, A2, A3, A3.5, A4, B1, B2, B3, C3, A02, A03, B0V, CV, JE, A6, A, B, C, shades are based on the following color chart.
 - Use a registered trademark of Vita Zahnfabrik, Bad Säckingen.

- Cavity Preparation
 - Prepare cavity using standard techniques. Dry by gently blowing with oil free air. Rubber dam recommended to protect exposed tooth from contamination with saliva, blood or sulcus fluid.
 - For pulp capping, use calcium hydroxide or dentine, use a light-cured bonding system such as Clearfil-Bond, GC G-BOND, Clearfil-Bond, Flowtack, Flowbond, Flowmaster's instructions.

- Placement of G-enial Universal Flo
 - Remove cover from the dispensing tip. Note: Prior to syringe material into the cavity, make sure to check the following.
 - Dispensing tip is securely attached to the syringe.
 - Any possible air in the dispensing tip is removed by gently pushing forward the syringe plunger with the tip pointing upwards until material completely fills the cavity.
 - Place the dispensing tip as close as possible to the prepared cavity, and slowly push the plunger in until material is fully covering the cavity. Dispense material onto a mixing pad and transfer to the cavity using a suitable instrument.
 - If plugged, remove the dispensing tip and extrude a small amount of material directly onto the mixing pad.
 - Amberize light exposure to ambient light.
 - Amberize light can shorten the manipulation time.
 - After use, immediately remove and dispose the dispensing tip and tightly close the syringe with the cap.

Clinical Hint

- Use of this product effectively, use the shade-tones of the material to ensure uniformity across the entire surface of the restoration during build up. Once the material is fully cured, use a rubber dam to ensure 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 provide a smooth surface over the restoration.

- Light Curing
 - Light cure the G-enial Universal Flo using a light curing unit. Keep light curing as close as possible to the surface. Refer to the instructions for irradiation time and Effective Depth of Cure.

Irradiation Time and Effective Depth of Cure

Shade	Recommended Irradiation Time (sec)	Effective Depth (mm) (ISO 15187/2007)
A1, A2, A3, B1, B2, B3, C3, A02, A03, B0V, CV, JE, A6, A, B, C, shades are based on the following color chart.	20 sec	2.0 mm

Note: A1, A2, A3, A3.5, A4, B1, B2, B3, C3, A02, A03, B0V, CV, JE, A6, A, B, C, shades are based on the following color chart.

CEMENTATION OF INLAYS, ONLAYS AND VENEERS

- Preparation of the cavity
 - After removing the provisional restoration, clean the prepared tooth using a brush and slurry of pumice and water. Rinse the preparation thoroughly. Rinse the prepared tooth with spray-tri-tilt the restoration before the cementation and clean thoroughly.

- Treatment of the restoration
 - Make sure that the restoration is pretreated and handled according to the manufacturer's instructions.

- 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.

- Treatment of tooth preparation
 - Apply G-enial® Bond, G-Pre-mo BOND or G-BOND on the prepared tooth surface. Leave undisturbed for 10 seconds and dry thoroughly for 5 seconds using maximum air pressure. Refer to the respective instructions for use.

- Isolation with rubber dam is recommended. Make sure to blow dry with a maximum air pressure in order to obtain the thin film.

- In case of using other light-curing agents, use only those which have thin film thickness to ensure the good fit of the veneer.

- Light cure the bonding agent for the designated time in the instructions for use.

- Luting procedure
 - Select the suitable shade. Apply G-enial Universal Flo directly to the preparation surfaces of the restoration and/or tooth surface. Exposure to intensive light should be avoided using appropriate protection. Seal the restoration moderate pressure and remove excesses using one of the following techniques:
 - Keep moderate pressure and remove excesses using a brush. Make sure that excess are thoroughly removed from area of difficult access (eg. interproximal areas).
 - Use a cotton swab to remove excesses using a brush. Make sure that excess are thoroughly removed from area of difficult access (eg. interproximal areas).
 - Thoroughly light-cure each surface of the restoration for 30 seconds.
 - Take care not to use the inhibition layer at the margins of the restoration, cover the margins with a glycerin gel before final light curing.

- Polishing the margins
 - Polish the restoration margins using appropriate instruments for the polishing of composite resins.

SHADES

A1, A2, A3, A3.5, A4, B1, B2, B3, C3, A02, A03, B0V, CV, JE, A6, A, B, C, shades are based on the following color chart.

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 3.4oz (20mL), 20 dispensing tips (plastic type), 1 light protective cover.

2, 2.30 dispensing tips (plastic type), 2 light protective covers.

2, 30 dispensing tips (needle type), 2 light protective covers.

CAUTION

- In case of contact with tooth or skin, remove immediately with cotton or a sponge soaked in alcohol. Flush with water to contact a rubber dam and/or cocoa butter to be used to isolate the operation field from the skin or oral tissue.

- In case of contact with eyes, flush immediately with water and seek medical attention.

- Take care not to use the material.

- Do not mix with other similar products.

- Dispensing tips are for single use only. To prevent cross contamination, use a new dispensing tip that enables the use of a purely light-curing technique.

- Use of this product effectively, use the shade-tones of the material to ensure uniformity across the entire surface of the restoration during build up. Once the material is fully cured, use a rubber dam to ensure 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 provide a smooth surface over the restoration.

- Light Curing
 - Light cure the G-enial Universal Flo using a light curing unit. Keep light curing as close as possible to the surface. Refer to the instructions for irradiation time and Effective Depth of Cure.

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- Polishing the margins
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