

Prior to use, carefully read the instructions for use.
EN
G-CEMTM Veneer
LIGHT-CURED ADHESIVE RESIN CEMENT

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

INDICATIONS FOR USE

Adhesive luting of ceramic and composite veneers, inlays and onlays with a thickness of < 2 mm and composites with a thickness of < 0.5 mm, providing the complete light-curing of the material.

CONTRAINDICATIONS

1. Patients with known allergies to methacrylate monomer or methacrylic polymer.

HOW TO USE G-CEM Veneer SYRINGE

- a) Remove the wing cap and remove the dispensing tip by turning counter-clockwise.
- b) Place the wing cap onto the dispensing tip by turning clockwise.
- c) Place the light protective cap onto the dispensing tip.
- NOTE:**
- i. Take care not to attach the dispensing tip to the wing cap.
- ii. If the connection is too tight, this may damage the thread. Make sure that the threads are free of residual material.
- iii. It is not possible to remove the dispensing tip from the dispensing wing cap by turning counter-clockwise.
- iv. After use, immediately remove and dispose of the dispensing tip with the wing cap.

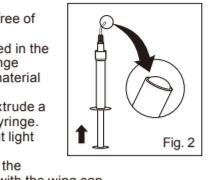


Fig. 2

MANUFACTURING PROCEDURE OF VENEERS, INLAYS, ONLAYS

- a) Remove the temporary restoration and clean the prepared tooth using a probe and water spray.
- b) Apply G-CEMTM Paste to the final restoration.
- c) If necessary, use G-CEMTM Paste for trial.

HOW TO USE G-CEMTM In-Paste

- a) Hold syringe upright and remove wing cap by turning counter-clockwise.
- b) Place the dispensing tip onto the dispensing wing cap by turning clockwise.
- c) Place the light protective cap onto the dispensing tip.
- NOTE:**
- i. Take care not to attach the dispensing tip to the wing cap.
- ii. If the connection is too tight, this may damage the thread. Make sure that the threads are free of residual material.
- iii. It is not possible to remove the dispensing tip from the dispensing wing cap by turning counter-clockwise.
- iv. After use, immediately remove and dispose of the dispensing tip with the wing cap.

POSTUP CEMTOVANIA FAZET, INLAYU, ONLAY

1. OBRÁZOVANIE NA FAZET, INLAY, ONLAY

- a) Upravte G-CEMTM Paste na výšku, ktorú je potrebné dosiahnuť.
- b) Zkontrolujte dosahajúci bôrčas a artikulační náhradu.
- c) Je-li potrebné, použite G-CEMTM Paste na príkaz do zlepšenia výstavovania.

2. PRÍPÄTOK A TREATMENT OF THE RESTORATION

- a) Make sure the restoration is pre-treated and handled according to the manufacturer's instruction.
- b) For glass ceramics etch with hydrofluoric acid for 20 seconds for lithium leucite-reinforced ceramics (e.g. CERASARTM) and sandblast and clean with oil-free water if necessary, clean dry with oil-free air.

NOTE: Note that manufacturers provide the parameters for the sandblasting and etching.

*For G-CEMTM Paste a sandblaster is not available, etch with hydrofluoric acid for 10 seconds.

b) Apply G-MultiTM PRIMER to the bonding surface of the restoration and dry with a bonding agent according to the manufacturer's instruction.

The bonding agent is not required if the bonding agent is recommended.

c) Prepare the restoration with water and dry by gently blowing with an oil-free air.

d) For full-ceramic restorations, apply hydrofluoric acid (e.g. GC ETCHANT) for 10-15 seconds, rinse for 5 seconds and gently dry.

e) Total-etch technique.

f) Etch-and-rinse technique.

g) Etch-and-rinse technique.

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LIGHT-CURED ADHESIVE RESIN CEMENT

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

INDICATIONS FOR USE

Adhesive luting of ceramic and composite veneers, inlays and onlays with a thickness (<2.0mm) and transclusency that enables the complete light-curing of the cement.

CONTRA-INDICATIONS

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

HOW TO USE G-CEM VENEER SPRINGE

- Hold the syringe upright and remove the wing cap by turning clockwise.
- Promptly and securely attach the dispensing tip to the springe.
- Place the light protective cap until use.
- Take care not to attach the dispensing tip to the syringe. This may damage the threads in the internal connection in order to ensure a tight connection make sure that the threads are free from any debris.
- In order to remove any possible air entrapped in the dispensing tip, gently push forward the syringe until the dispensing tip reaches the opening of the tip (Fig. 2).
- If blocked, remove the dispensing tip and extrude a small amount of material.
- Minimize exposure to ambient light. Ambient light can shorten the manipulation time.
- After use, immediately clean and dispose the dispensing tip and lightly close the syringe with the wing cap.

MANAGEMENT PROCEDURE OF VENEERS, INLAYS, ONLAYS

- Remove the temporary restoration and clean the prepared tooth using a brush and pressure water to remove any remaining temporary cement.
- Check the fit, shade and occlusion of the final restoration.
- If necessary, use G-CEM Try-In Paste for trial-fit.

HOW TO USE G-CEM Try-In Paste

- Hold upright and remove wing cap by turning counter-clockwise.
- Push forward and securely attach the dispensing tip to the syringe by turning clockwise.
- Insert G-CEM Try-In Paste into the internal surface of the restoration and set the excess aside.
- Place the wing cap back on the syringe promptly after use.
- Check fit and aesthetics of the restoration.
- Wipe off any excess material.

Make sure that G-CEM Try-In Paste is thoroughly removed before proceeding to bonding as residual paste would cause a decrease in bond strength.

2. PRE-TREATMENT OF THE RESTORATION

- Make sure that the restoration is pre-treated and handled according to the manufacturer's instructions.

For glass ceramics: etch with hydrofluoric acid for 20 seconds for lithium disilicate (e.g. GC Initial LISI Press) and 60 seconds for feldspathic and zirconia aluminia hybrid ceramics (e.g. GC Cerasmart270).

With water and dry oil-free air. Necessary, clean in an ultrasonic bath. Rinse thoroughly with water and dry with oil-free air. NOTE:

For zirconia aluminia, hybrid ceramics (e.g. CERASMART270) and monolithic zirconia (e.g. GC Initial LRF Block). Rinse thoroughly with water and dry with oil-free air.

NOTE: Follow manufacturer's instructions for the parameters of sandblasting and etching.

*For CERASMART270 a bonding primer is not available, etch with hydrofluoric acid for 60 seconds.

b) Apply G-Multi PRIMER to the bonding surface of the restoration and dry with an air syringe. In case of using other silica coupling agents, follow the manufacturer's instructions.

3. PREPARATION OF THE RESTORATION

- Clean the preparation with pumice and water. Dry by gently blowing with an oil-free air.
- Seal the preparation with glycerin.
- Selective etching of enamel

Etch enamel only with 35-40% phosphoric acid gel (e.g. GC ETCHANT) for 10-15 seconds, rinse for 5 seconds and gently dry.

4. TOTAL-ETCH TECHNIQUE

- Etch enamel and dentin with 35-40% phosphoric acid gel (e.g. GC ETCHANT) for 10-15 seconds, rinse for 5 seconds and gently dry.
- Apply G-Premio BOND on the prepared surface. Leave undisturbed for 10 seconds. Dry the surface thoroughly for 5 seconds with oil-free air under MAXIMUM AIR PRESSURE.

NOTE:

i. Isolation with rubber dam is recommended.

ii. Make sure to blow dry with MAXIMUM AIR PRESSURE to obtain the thin film.

d) Light cure using a light curing unit. See Table 1 for the irradiation time.

i. Light cure completely for effective bond strength. Lower light intensity will cause reduced bond strength.

ii. When using other bonding agents are used, refer to the IFU of manufacturer of the bonding. Light curing of the bond is recommended to reach optimal bond strength of the system.

Table 1: G-Premio BOND Irradiation timeIrradiation time
Distance from light guide tip

Light curing unit < 10 mm > 10 mm

Halogen/LED >700 mW/cm² 10 sec. 20 sec.High power LED >1.200 mW/cm² 5 sec. 10 sec.**4. CEMENTATION**

- Control internal surface of the restoration with sufficient cement.
- NOTE:

i. Expose to intensive light should be avoided during application as it reduces the manipulation time.

b) Seal the veneer margins during the preparation, exerting moderate pressure.

c) Make sure that G-CEM Veneer flows around all margins.

d) Remove excess cement using one of the techniques below:

Keep moderate pressure and remove excess cement using a brush. Make sure that excess cement is thoroughly removed from areas of difficult access.

ii. Total Cure by laying the light guide over the excess cement for a few seconds until a regular colour rubor consistency and remove the excess cement using a probe or similar instrument. Reaching a good consistency for excess cement removal depends on the light curing unit used. It is important to find the best combination of time, intensity, and distance of the curing light in use.

NOTE:

i. If the excess cement is thoroughly removed, a suitable instrument can be used to hold the restoration in position.

ii. In the case of very fragile veneer edges, the excess cement is carefully removed with a brush or dental gauze in the direction of the gingiva. After removing the excess cement, use a probe or similar instrument in order to identify any remnants of excess after the removal procedure.

e) While maintaining moderate pressure, thoroughly light-cure each surface of the restoration with a light-curing unit. See Table 2 below for the irradiation time.

Table 2: G-CEM Veneer Irradiation timeIrradiation time
Light curing unitHalogen/LED >700 mW/cm² 20 sec.High power LED >1.200 mW/cm² 10 sec.

NOTE:

i. To avoid the oxygen inhibition layer at the margins of the restoration, cover the margins with a glycerin gel before final light-curing procedure.

5. FINAL POLISHING

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

SHADES

Translucent, A2, Bleach, Opaque

STORAGE

Optimal performance, store in a cool and dark place (4-25°C / 39-77°F) away from high temperatures or direct sunlight.

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 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 care.

3. Take care to avoid ingestion of the material.

4. Do not mix with other similar products.

5. Dispensing tips are not reusable. To prevent cross-contamination do not reuse the dispensing tip. The dispensing tip cannot be sterilized in an autoclave or chemicline.

6. Wear plastic or rubber gloves during use to avoid direct contact with air or water. Avoid contact with eyes during light-curing.

7. When polishing the composite material, use a dust collector and wear a dust mask.

8. Avoid getting material on clothing.

9. In case of contact with unnecessary materials or tools or prosthetic appliances, always wash your hands, fingers or cotton/polyester before light-curing.

10. Do not use G-CEM Veneer in combination with eugenol containing materials as eugenol may inhibit polymerization. Do not use G-CEM Veneer in combination with H2O2 as H2O2 may inhibit G-CEM Veneer from setting or bonding properly.

11. Do not wipe the dispensing tip with excessive alcohol as this may cause discoloration.

12. Dispose of all wastes according to local regulations.

13. 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.

14. Personal protection equipment (PPE) such as gloves, face masks and safety eyewear should always be worn.

15. Products referred in the present IFU may be classified as hazardous according to GHS. Always familiarize yourself with the safety data sheets available at: <http://www.gc-europe.com>.

They can also be obtained from your supplier.

CLEAN AND DISINFECT SYSTEMS: to avoid cross-contamination between patients this device requires mid-level disinfection. Immediately after use inspect device and label for deterioration. Discard device if damaged.

DO NOT DISINFECT: Thoroughly clean device to prevent drying and accumulation of debris. Disinfect device to a mid-level registered healthcare infection control product according to regional national guidelines.

Undesired effects - Reporting:

If you become aware of any kind of undesired effect, reaction or similar events experienced by use of this product, including side effects in the instruction for use, please report them to the relevant vigilance system, through the following link: https://ec.europa.eu/eurogrowth/sectors/medical-devices/contacts_en

In this way you will contribute to improve the safety of this product.

Last revised: 01/2021

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EN

Vor der Benutzung bitte die Gebrauchsanweisung gründlich lesen.

DE

Avant toute utilisation, lire attentivement les instructions d'emploi.

FR

Leggere attentamente le istruzioni prima dell'uso.

IT

Antes de usar, lea detenidamente las instrucciones de uso.

ES

Lees voor gebruik zorgvuldig de gebruiksaanwijzing.

NL

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- Promptly and securely attach the dispensing tip to the springe by turning clockwise.
- Place the light protective cap until use.
- i. Take care not to attach the dispensing tip to the syringe. This may damage the threads in the internal connection in order to ensure a tight connection make sure that the threads are free from any debris.
- ii. In order to remove any possible air entrapped in the dispensing tip, gently push forward the syringe until the dispensing tip reaches the opening of the tip (Fig. 2).
- iii. If blocked, remove the dispensing tip and extrude a small amount of material.
- iv. Minimize exposure to ambient light. Ambient light can shorten the manipulation time.
- v. After use, immediately clean and dispose the dispensing tip and lightly close the syringe with the wing cap.

MANAGEMENT PROCEDURE OF VENEERS, INLAYS, ONLAYS

- Remove the temporary restoration and clean the prepared tooth using a brush and pressure water to remove any remaining temporary cement.
- Check the fit, shade and occlusion of the final restoration.
- If necessary, use G-CEM Try-In Paste for trial-fit.

HOW TO USE G-CEM Try-In Paste

- Hold upright and remove wing cap by turning counter-clockwise.
- Promptly and securely attach the dispensing tip to the springe by turning clockwise.
- Place the light protective cap until use.
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PREPARATION PROCEDURE OF VENEERS, INLAYS, ONLAYS

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MANAGEMENT OF THE RESTORATION

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