



INSTRUCTION FOR USE GDT IMPLANT CEMENT

Radiopaque resin-based cement semi-permanent and dual-cure

GDT Implant Cement is a non-eugenol, acrylic-urethane polymer based cement for permanent implant – retained crowns.

DIRECTIONS FOR USE

1. Check fit, occlusion and proximal contacts. Complete all finishing procedures.
2. Dry and isolate the prepared abutments. Absolute dryness is not necessary, but obvious contamination should be avoided.
3. Make sure the interior of the restoration is clean and dry. To facilitate future removal of implant restorations, lubricate the surface of the abutment with a thin layer of water-based lubricant.
4. Bleed the syringe before installation of the automix dispensing tip. Mount a new, automix dispensing tip onto the **GDT Implant Cement** dual-barrel syringe and bleed the syringe again. This insures complete flow of base and catalyst components. Syringe a thin layer of the cement directly into the restoration. You have 80 seconds working time.
5. Firmly seat the crown and either hold in place or have the patient gently close on a cotton roll until the primary set which occurs in 2.5-3 minutes. The initial set is characterized by a distinct gel phase. Excess cement can be removed safely after 3 min., but before final set.
6. Final cement set is between 5-6 minutes, depending on conditions.

Working time: 80 sec. / Setting time: 5-6 min (2-3 min in gel phase).

Light-curing – Working time: 80 sec. / Setting time: 20 sec.

HAND-MIXING DIRECTIONS

1. Extrude the appropriate amount of base and catalyst onto the selected mixing surface.
2. Using a clean spatula or mixing stick, mix the two components into a homogenous paste. Using the mixing stick or brush, apply a thin layer of the mixed cement on to the cleaned, inside surface of the restoration.
3. You have approximately 80 sec. of working time from start of mix.
4. Firmly seat the restoration in place. Initial gelset occurs within 2.5 to 3 minutes after seating. Cleaning of excess cement should be initiated immediately after this gel-set phase.
5. Final cement set occurs between 5-6 minutes after seating of the restoration.



PRECAUTIONS

If an allergic reaction occurs, discontinue use, remove from patient and refer patient to a physician. Though rare, some individuals may be sensitive to this product.

Important Application Information: Only a small bead of **GDT Implant Cement** around the margin is necessary to securely hold your crown. This is especially true with highly retentive restorations. Using less cement saves money and allows for easy retrievals!

TECHNICAL INFO

Mixing ratio: 4:1.

Colour code: Base: white-opaque. / Catalyst: semi-transparent.

Working time: approx. 80 sec.

Gel phase: 2-3 min. (for removal of excess material during placement).

Setting time in the mouth: 5-6 min.*

Setting time with lightcuring: approx. 20 sec. per surface; 30-40 sec. through translucent materials.

* From beginning of mixing: at 23°C ± 2°C / 73°F ± 4°F / rel. Humidity 50 ± 5 %. Higher temperatures accelerate, lower temperatures retard mixing times.

Film thickness: < 10 µm.

Compression strength: 96 MPa.

STORAGE

- Do not store above 24°C (75°F).
- For optimum freshness, keep refrigerated. Do not freeze.
- If refrigerated, allow the syringe to reach room temperature.
- Do not use after expiration date. See expiry date on the label.
- Shelf life is 3 years after the date of manufacturing.

PACKAGING

Dual Syringe x1	8.8g
Mixing Tips	10pcs

REF: GD-IMPC



Failure to comply with the conditions of storage leads to a change of the working characteristics of the material and decrease the shelf life of material. The manufacturer is not responsible for any loss of quality caused by the failure to comply with terms of transportation, storage and use established by the manufacturer for this product. Responsibility for the use of the material for purposes other than those specified by the manufacturer, the user's responsibility.

