

roeko

GuttaFlow 2

Instructions for Use

EN

Definition:

GuttaFlow 2 is a cold flowable filling system for root canals, combining sealer and gutta-percha in one product. It consists of a polydimethylsiloxane matrix highly filled with very finely ground gutta-percha. GuttaFlow 2 has exceptional chemical and physical properties that offer maximum sealing quality and biocompatibility.

Ingredients:

Gutta-percha powder, polydimethylsiloxane, platinum catalyst, zirconium dioxide, micro-silver (preservative), colouring.

Areas of application:

Permanent obturation of root canals

- after vital pulp extirpation
- after treatment for pulpal gangrene and temporary fillings

Properties:

GuttaFlow 2

- combines the properties of sealer and gutta-percha
- offers maximum sealing properties
- consists of two components, which are automatically mixed bubble-free at a ratio of 4:1 in the mixing tip of the applicator
- contains finely ground gutta-percha powder which is homogeneously distributed after mixing
- flows with the matrix (sealer) into lateral canals and dentinal tubules
- eugenol-free
- radiopaque
- does not shrink, expands slightly
- highly biocompatible

GuttaFlow 2

- **working time: 10-15 minutes** (heat reduces working time)
- **setting time: 25-30 minutes**

Application:

Following standardised preparation and, if necessary, temporary filling, the root canal is filled with GuttaFlow 2, together with a gutta-percha master point.

Caution: The root canal must be thoroughly rinsed with sterile water or highly concentrated alcohol and dried with paper points to completely remove any residue of rinsing solutions (NaOCl, H₂O₂, etc.) and temporary filling materials from the canal. Any remaining residue may prevent the GuttaFlow 2 from curing.

Important notes:

- GuttaFlow 2 always cures completely regardless of humidity or temperature. The material flows into the smallest dentinal tubules, because of the small particle size (< 0.9 µm) of the GuttaFlow 2 matrix filler.
- Heat may instantly cure GuttaFlow 2 placed in the canal. Therefore care has to be taken not to pull cured GuttaFlow 2 from canal walls during warm condensation.
- The material does not shrink, but expands slightly and retains some elasticity even after it has cured. To ensure a dense coronal seal, excess material must be removed with an alcohol soaked pellet and bur before curing.
- We do not recommend the use of further products (e.g. sealer) in addition to GuttaFlow 2 and a gutta-percha master point during obturation of the root canal, due to possible incompatibility.

Before using the applicator, the brown cap of the applicator is removed and replaced with a flexible mixing tip. After slight pressure on the plunger the material flows homogeneously mixed at a ratio of 4:1 and free of air bubbles from the mixing tip. The flexible mixing tips are single use only and should be disposed of after use.

Spread GuttaFlow 2 on a mixing block and insert into the root canal with the master point, the last used apical file or a lentulo spiral. When using a lentulo spiral, GuttaFlow 2 can be placed both apically and three-dimensionally. Special caution is required when using a lentulo spiral, due to the potential danger of overfilling the material beyond the apex. For oval canals, additional gutta-percha points may be inserted after the canals have been completely filled with GuttaFlow 2. However, condensation with instruments is not necessary.

After removing the mixing tip and before placing the brown cap the openings of the applicator should be wiped clean carefully with a tissue to avoid contamination of the two components. It is most important that the two components do not come into contact. The applicator must always be resealed after use with the brown cap.

Preservation:

The included micro-silver can also have a preserving effect in the root canal. The chemical type and concentration of the silver does not cause corrosion or colour changes in the GuttaFlow 2.

Removing the root canal filling (see Step by Step instructions "Removal technique for root post preparation"):

When removing the root canal filling or preparing to place a post, the filling and excess material should be removed using a round bur or Gates Glidden with contact to the canal wall. Chloroform or a heated instrument will not soften GuttaFlow 2 itself, only the guttapercha of the filling.

Cleaning the instruments:

Instruments may be rubbed clean with a dry cloth immediately after use and before disinfection.

Contra-indications:

GuttaFlow 2 should not be used with deciduous teeth. Hypersensitivity to silver.

Side effects:

None known.

Storage and handling:








- protect against UV light
- store at 18°C to 24°C
- do not use this medical device after the date of expiration

Warnings:

This medical device must be stored out of the reach of children.

Date of issue:

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Glossary	
	Consult instructions for use
	Keep away from sun light
	Single use only
	Temperature limitation
	CPT 05 GOST
	Legal Manufacturer
	RX only: restricted device for professional use only

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