Expansion meets Adhesion.

GuttaFlow® 2
Cold Flowable Gutta-Percha

- No heat – no shrinkage
- Sealer and Gutta-percha in one material
- Exceptional flow plus expansion - no condensation required
- Adheres to Gutta-percha and dentin
Sealer and Gutta-percha in one root canal filling material

GuttaFlow®2 is a novel filling system for root canals that combines two products in one; sealer and gutta-percha in powder form with a particle size of less than 30µm.

Tight sealer due to expansion and adhesion of GuttaFlow®2

GuttaFlow®2 is the first flowable, non-heated gutta-percha that does not shrink but expands slightly by 0.2%. Furthermore, GuttaFlow®2 has a very good adhesion to Gutta-percha points and dentin walls. This combination of expansion and adhesion creates an excellent seal.

Excellent flow properties

GuttaFlow®2 is thixotropic, the viscosity diminishes under pressure, and therefore it flows into the smallest canals during placement of master point and optional auxiliary points. This feature allows for a three-dimensional obturation without condensation.

Solubility of 0.0%*

Through contact with body fluids, materials may dissolve over the years, creating space for bacterial colonization. Most standard root canal sealer materials are soluble to a varying degree. The solubility of GuttaFlow®2 is virtually zero. Tests according to ISO 6876:2001 show a solubility of 0.0%. This results in a dimensionally stable and impervious root canal filling.

* acc. to ISO 6876:2001 Dental root canal sealing materials
Source: NIOM Norwegian Institute for Dental Material Testing
Highly biocompatible

Since endodontic filling materials remain in the body for many years, it is particularly important that there is no adverse effect on the surrounding tissue. Conventional materials demonstrate toxic characteristics ranging from “nontoxic mildly” to “severely toxic”. Clinical studies show GuttaFlow® to be extremely biocompatible.

Optimum protection

GuttaFlow®2 contains micro-silver that provides optimum protection against re-infection of the root canal. The chemical form and concentration of the silver does not lead to any corrosion or discoloration of GuttaFlow®2 under clinical conditions.

The New GuttaFlow® Generation

What’s new with GuttaFlow®2?

> Adhesion to gutta-percha point and dentin wall
> Easier to drill for retreatment and post preparation
> The syringe
  > Ready to use – no triturator required
  > Easy handling
  > Dispenses just the quantity required
  > Homogeneously and hygienically mixed and free of air bubbles
> Working time: 10 – 15 min
> Curing time: 25 – 30 min

Clinical study

Clinical investigations on the conventional GuttaFlow® are organized in the framework of a multi-center study under the direction of NIOM (Norwegian Institute for Dental Material Testing) and conducted in clinics in Germany, Norway and the USA. The closing study report shows excellent healing results.

Further studies

A wide range of other studies on GuttaFlow® have already been conducted. You can find these under www.guttaflow.com
Easy, fast and safe in the root canal

**STEP 1**
Slight pressure on the plunger and premixed material is dispensed from the tip.

**STEP 2**
Either insert GuttaFlow® 2 into the root canal with (a) the master point, (b) the last used apical file or (c) a lentulo spiral.

**STEP 3**
Coat the masterpoint with sufficient GuttaFlow® 2 and set the apical stop. No lateral or vertical condensation is necessary.

**STEP 4**
Slowly insert the master point permanently. Depending on the clinical situation accessory gutta-percha points can be coated and inserted. GuttaFlow® 2 combines sealer and gutta-percha in one product, the use of any sealers is not required. No condensation is necessary.

**STEP 5**
Sear off the master point with a heated hand instrument.

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**Ordering Information**

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Coltène/Whaledent Inc.
235 Ascot Parkway
Cuyahoga Falls, OH 44223 / USA
Tel. USA & Canada + 1 800 221 3046
+ 1 330 916 8800
Fax +1 330 916 7077
info@coltenewhaledent.com

Coltène/Whaledent AG
Feldwiesenstrasse 20
9450 Altstätten / Switzerland
Tel: +41 (0)71 757 53 00
Fax +41 (0)71 757 53 01
info@coltenewhaledent.ch

Authorized EU Representative:
Coltène/Whaledent GmbH & Co. KG
Raffeisenstrasse 30
89129 Langenau / Germany
Tel. +49 (0)7345 805 0
Fax +49 (0)7345 805 201
info@coltenewhaledent.de

coltene.com