

GUTTASEALER PLUS

Polymer two-component radiopaque material based on modified epoxy resin and amino complex catalyst for root canal filling with gutta-percha studs

Indications

Filling root canals of all groups of teeth with gutta-percha points (lateral condensation method) and metal studs.

Composition and properties

Paste A – zirconium oxide, butanediol, calcium tungstate.

Paste B – polymer modified resin, barium sulfate, silicone.

"Guttasiler Plus" - two component (paste/paste) slowly hardened material based on modified epoxy resin and amino complex catalyst. It has good adhesion to the tooth tissues, gutta-percha and the metal posts that maximizes the obturation of macro- and micro-canals. Radiopaque filler gives you the opportunity to apply the material in narrow&curved root canals. Availability of new generation catalyst introduced in the material makes the material more safe (in contrast to the traditional materials of earlier generations). Time of total cure in the root canal is 24-48 hours, that allows to make retreatment, if necessary.

Recommended use

Preliminary mechanical treatment of the root canal is carried out by the generally accepted rules with providing it a conical design. It is necessary to chose the gutta-percha point so when introduced into a root canal it was slightly "jammed" in the apical area radiographically 1-2 mm to the apex. Root canal is dried with paper points. For material preparation a necessary quantity of paste A is extruded on a mixing pad or on a glass plate. The same amount of paste B is extruded next to.

Two components are mixed until a mix has necessary consistence. Using a reamer or paste filler on low speed of motion in apical part of the root canal small amount of the material is introduced. By circular motions material is distributed along the walls of the canal. Wetted by filling material main point is inserted in the root canal until it stops. Then between the wall and the point (which is moved laterally) the spreader is inserted to the maximum depth not deeper than working length of the main instrument. Spreader is evacuated and to the opened space gutta-percha point of smaller size wetted by filling material is inserted. This procedure is repeated several times until it is possible to insert a spreader into the root canal.

Obturation is considered complete if a spreader can not be inserted into the root canal. Outstanding parts of the points are cut off with heated instrument to the level of the root canal opening. The last stage of the procedure is vertical condensation of gutta-percha by heated big plugger or burnisher to the opening of the root canal.

Package and storage

The package of the material is two tubes of paste A and paste B by 8 g each.

Material should be stored in a cool dry place.

Recommended temperature of storage is +4 to +24°C.

Shelf life is 2 years.