GlassIn Fiss

Chemical cure glass-polyalkenate restorative cement for pit&fissures sealing with prolonged fluoride ions release

“GlassIn Fiss” is used for sealing pit and fissures of posterior teeth.

Indications:

- isolating the surfaces of exposed necks of teeth;
- filling of non-carious lesions;
- linings for all kinds of fillings.

Properties and composition

The powder is fine dispersed aluminum-calcium-lanthanum-fluor-silicon glass with radiopaque additives. The liquid is an aqueous solution of polyacrylic acid (with special molecular weight) with organic additives which improve its properties. System "powder+liquid" is characterized by the fact that after the formation of the cement structure, all the particles remain bound that further prevents them leaching from cement. "GlassIn Fiss" is characterized by high strength and biocompatibility to the tooth structures. Increased chemical adhesion to dentin and enamel provides a tight marginal seal. Anticaries effect is provided by the sustained release of fluoride ions.

Recommended use

The material is prepared at room temperature on a glass plate or a special pad with a spatula. The ratio for normal consistence of the cement is 1 spoon of powder to 1 drop of liquid. The proposed ratio of powder to liquid is approximate. In each case the proportion should be determined independently for obtaining the required consistency of paste.

In the beginning the full amount of the liquid is mixed with half amount of the powder. The remaining powder is introduced by small portions until we have a homogeneous mixture with a glossy surface. Mixing is carried out within 60 seconds until obtaining the necessary consistency of a paste. Working time of the prepared material is from 1,5 to 2 min. Prepared fissure should be cleaned and dry. Freshly mixed material is applied in the prepared fissure, covering the entire sealed area. Total time of hardening is 5-7 min from the start of mixing. After that time you are ready for further manipulation.

Package contents and storage

Available in bottles: 10 g of powder and 8 g of liquid.
Keep the material in cool dry place with bottles tightly closed.
Recommended temperature is from +4ºC to +25ºC.
Shelf life is 3 years.