

## **GlassIn Kids**

### **Chemical cure restorative glass-polyalkenate cement for pediatric dentistry**

"GlassIn Kids" is a chemical cure glass-polyalkenate filling material

#### **Indications:**

- filling the cavities of all classes in primary teeth;
- filling the cavities of III and V classes of permanent teeth;
- filling of non-carious lesions;
- can be used as a lining 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 Kids" is characterized by high strength and biocompatibility to the tooth structures. Increased chemical adhesion to dentin and enamel provides a tight marginal seal.

"GlassIn Kids" has optimum aesthetic parameters. Anticaries effect is provided by the sustained release of fluoride ions. When filling with deep cavities where the thickness of residual dentine less than 1 mm, it is recommended to cover the cavity of the protective seal by the calcium hydroxide remaining dentin surface is left open to allow chemical bonding material to dentin.

#### **Recommended use**

After opening the cavity proceed with mechanical treatment in a usual manner, wash and dry the cavity.

Prepare the material on a special pad with a spatula.

The ratio is 2 spoons of powder with 1 drop of liquid.

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 45-60 seconds until obtaining the necessary consistency of a paste, similar to a paste for filling. Working time of the prepared material from 1,5 to 2 min. In the process of restoration and curing the material does not come in contact with water. Time of final hardening is 5-6 min from the start of mixing. Preliminary finishing and polishing may not be made earlier than 15-20 minutes. At the end of the finishing the filling can be coated with a protective varnish. Final finishing is carried out after 24 hours.

#### **Packing 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 +4°C to +25°C.

Shelf life is 3 years.