

**CALCIPULPINE**  
**dental materials for lining and isolation based on calcium hydroxide,**  
**CALCIPULPINE-F with fluoride additives**

**Composition:**

Sodium fluoride (only in "Calcipulpine-F")  
Calcium hydroxide (of highest qualification)  
Zinc oxide  
Barium sulfate  
Methylcellulose  
Distilled water

**Indications and properties:**

- "Calcipulpine" is used as a protective layer covering the dentin in deep caries;
- accidental opening of the pulp;
- in cases of hypersensitive of teeth prepared for a crown.

"Calcipulpine" promotes the prevention of pulp from harmful influences, primarily from the toxins of microorganisms, as well as stimulates the formation of secondary dentin. It is recommended to put that preparation on the accidentally exposed pulp. This method is also used in the treatment of pulpitis by biological method (hyperemia of the pulp, the early stages of pulpitis of permanent teeth in children).

The material comprises calcium hydroxide, which has highly alkaline environment. Being on the bottom of the cavity, it neutralizes acids coming from cementitious materials thereby preventing their penetration into the pulp.

By direct contact with a healthy pulp "Calcipulpine" contributes to the formation of secondary dentin. The material is applied with a thin layer and hardens over time, without affecting the process of further filling.

**Recommended use**

In deep caries open a cavity as much as possible by one of the traditional methods, clean the cavity wall of the destroyed infected dentin.

Apply "Calcipulpine" to the bottom of the cavity, spread it with a thin layer on the surface by instrument or compressed air, avoiding spraying out (treatment by air accelerates drying of a paste). Wait for some time while the paste dries. If necessary, in order to increase the layer of liner successive layers of material can be applied, each has to be dried. At the end of the layering clean the cavity of excess of the material and seal it without a pressure.

In the indirect coating it is necessary to determine the viability of the pulp with one of the traditional methods, to conduct the mechanical treatment, as well as with deep caries. "Calcipulpine" is applied by the method described above. Allow the material to dry and seal it without excessive pressure.

**Package contents and storage**

The material is packaged in two plastic syringe 2,5 ml each. The package includes 4 metal cannula and a plastic container filled with calcium hydroxide with special additives that prevent the hardening of the material in the cannula.

To prepare for the work remove the cap from the syringe with the paste and replace it with a curved cannula. Then, into the opening of a plastic container with a safety paste fixed on the syringe tip cannula up the area of a bend. Subsequently, the paste should be stored in this way.

Before applying separate cannula from the container (to wipe the excess of the safety paste) and squeeze out the required amount of paste. Apply the paste on the working surface, using the cannula as the applicator. At the end of manipulation to remove residue with a cotton tampon and the tip of the cannula immediately placed in a container. Avoid prolonged contact of the cannula with open air. In the case of hardening of the material within the cannula, replace it with a new one.

The package, in addition to two plastic syringes, includes 4 metal cannulas and a plastic container filled with calcium hydroxide with special additives that prevent the hardening of the material in the cannula.

Store in a cool dry place protected from sunlight.

Shelf life is 3 years.