

BaseLine glass ionomer

COMPOSITION

Glass filler, Dioxide silicone, Fluorinated aluminium, Strontium carbon dioxide, Metaphosphate aluminium, Boric acid, Poliacrylic acid, Tartaric acid, Orthophosphoric acid, Iron oxide pigments

PROPERTIES.

"BaseLine" powder is a mixture of radiopaque aluminum-fluorine-silicate glass and dry polyacrylic acid. After being mixed with distilled water it forms a fast setting mass.

The powder should not have external additions, the color should be evenly distributed. The shade of polymerized cement should correspond to adopted shade scale, working time is not less than 1.5 min, polymerization time is not more than 6 min, compression strength is not less than 70 MPa.

PURPOSE

"BaseLine" is designed for:

- making linings while working with composite materials and amalgam;
- fixing prostheses and pins;
- filling primary teeth;
- temporary filling.

CLINICAL PROCEDURE

BaseLine is biologically highly compatible with teeth tissues, but when filling deep cavities, it is not recommended to cover with lining the surface of dentin located closely to the pulp. This surface of dentin should be covered with calcium hydroxide lining.

Other surfaces of dentin should be left uncovered to provide chemical adhesion with Baseline material.

Before starting, fill the dropping bottle with distilled water and shake the vial with powder a few times. The powder is measured with special spoon (fill it to the brims), excess powder is removed with spatula. When the measuring spoon is taken out of the vial, do not touch with it the vial's walls.

The material is mixed up on mixing pad or on glass at the temperature of 23°C.

The material may be used in two consistencies:

Watery consistence – for laying an isolating lining (1 spoon of powder (0.08 g) + 1 drop of distilled water (0.02 g)). The powder is mixed with water in one go. Stir the mixture with spatula until it becomes uniform. Mixing time is 15 seconds. Working time of watery consistence is not less than 2 minutes, curing time is not more than 6 minutes.

Thick consistence – for filling and for making lining under composite and amalgam (2 spoons of powder (0.16 g) + 1 drop of distilled water (0.02 g)). At first half of the powder is being mixed with water, then the rest of the powder is being added. Rub the mixture with spatula until it becomes uniform. Mixing time is 30 seconds; working time is not less than 1 minute 30 seconds; curing time is not more than 4 minutes.

Inserting material into cavity

Prepare the cavity following the traditional method. The cavity walls should be clean and dry, but not overdried.

CAUTION! During filling and curing the material should not contact with water, saliva or blood.

To form an isolating lining, lay the **watery consistence** material on dentin surface with a tool having small ball at the top. In 4 minutes the material hardens and becomes acid and water resistant.

In order to make lining under composite or amalgam, insert the **thick consistence** material with the help of respective tools into the cavity and compress it. In 2.5 minutes the material hardens and becomes acid and water resistant, which allows to start restoration with a composite filling material.

Finishing and polishing of the filling made of BaseLine material can be started in 7 minutes.

NOTE: Sticking of the material to the tools can be avoided by sprinkling the tool slightly with BaseLine powder. After work all used tools must be rinsed with water or disinfecting liquids.

CONTRAINDICATION

Direct covering of the pulp

POSSIBLE SIDE EFFECT

In rare cases the prepared cement mixture may cause allergic reaction

PRECAUTIONARY MEASURES

Avoid contacting the material with eyes, skin, mucous membrane and clothes. In case of contact with these flush immediately with water. In case of contact with eyes, flush immediately with water and get medical attention. Swallowing of non-polymerized material must be avoided

TRANSPORTATION

The material may be transported by all types of covered transport vehicles in accordance with rules of transportation for each type of transport. It may be transported via post, by cars and in containers. Temperature during transportation should be within

+(5-24)°C

STORAGE.

The material should be stored at temperature +(5-24)°C in a dry place. Upon completion the vial with the powder should be tightly closed, protected from moisture. Penetration of moisture worsens the properties of material and may spoil it completely.

PRODUCER GUARANTEE

The producer guarantees correspondence of material to all technical requirements on condition of observing all rules of utilization, transportation and storage

SHELF LIFE

Shelf life of the material is 2 years when stored at temperature +(5-24)°C. Do not use after expiration of shelf life.

PLACES OF USE

For use in hospitals, dentistry clinics and mobile medical complexes.

DISPOSAL

Disposal of material with expired shelf life or which became unfit for other reasons, should be made through collection of material into container with subsequent removal by a specialized agent.

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