

Trade name: Calcedent dentin, Calcedent Enamel

Product description:

Calcedent dentin - Dentin sealing liquid.

Calcedent Enamel - Enamel sealing liquid.

Indications for use:

Prevention of dental caries, including in the presence of braces. Reduction of sensitivity of the tooth cervix. Mineral sealing of fissures.

Composition:

Calcedent dentin:

The first liquid is magnesium silicate fluoride hexahydrate, carfer sulphate pentahydrate, sodium fluoride, distilled water.

Second liquid - calcium hydroxide, distilled water, methylcellulose.

Calcedent Enamel:

The first liquid is magnesium silicate fluoride hexahydrate, capelsilicate fluoride hexahydrate, sodium fluoride, distilled water.

The second liquid is calcium hydroxide, distilled water , methylcellulose.

Properties:

Calcedent dentin and Calcedent Enamel in combination with highly dispersed calcium hydroxide, applied one after the other to the dental hard substance, provide deep fluoridation of enamel or the hard substance of the tooth cervix. By deep fluoridation, in contrast to conventional fluoridation, we understand the formation of submicroscopic CaF₂ crystals inside the pores of loosened enamel. They occur along with magnesium fluoride particles and silicic acid gel after wetting the enamel and subsequent wetting with calcium hydroxide. In contrast to the rather large CaF₂ crystals that are formed on the enamel surface during conventional solid substance treatment with simple fluorides such as sodium fluoride, the submicroscopic crystals that arise during treatment of the tooth with Calcedent dentin and Calcedent Enamel are deep in the pores (approx. 7 microns) of loosened enamel. Encapsulated in a gel and thus protected from mechanical influences, they permanently release fluoride, which in combination with saliva mineral salts ensures long-term remineralisation, intensifying it by up to 100 times. Calcedent dentin and Calcedent Enamel, in contrast to simple fluorides such as sodium fluoride, have no toxic effect thanks to the subsequent application of calcium hydroxide.

Method of application:

Desensitise the neck of the tooth:

Remove plaque with a toothbrush and dry the teeth with warm air. Then moisten the tooth cervix for 1/2 minute with a cotton swab soaked in preparation No. 1. Do not rinse the mouth! Then thoroughly moisten with preparation No. 2 (shake thoroughly beforehand). Only then can the patient rinse the mouth. After the procedure there is no need to dry the surface of the teeth. The patient can eat immediately. Subsequently, it is recommended to perform the procedure once or twice a year.

Caries prophylaxis by deep fluoridation (enamel mineral sealing): Teeth are cleaned thoroughly with a toothbrush. The interdental spaces are cleaned with dental floss or special interdental brushes. After relative drying with a stream of warm air, the teeth are treated first with liquid #1 (with a tampon or brush) for 1 minute. Do not rinse the mouth! Then treat in the same way with liquid 2 (shake the contents beforehand). Keep for 1 minute. Rinse your mouth with water afterwards. Immediately after the treatment the patient can eat. The procedure can be performed 1-2 times a year.

Mineral Fissure Sealing: Calcedent dentin and Calcedent Enamel provide a highly effective mineral fissure sealing, preserving as much of the tooth tissue as possible. This is the result of intensified remineralisation processes with the participation of saliva due to deep fluoridation. Fissures, which are usually treated with polymers, are now treated with a thin coat of a mineral substance (water-bearing silicon oxide). The calcium fluoride contained in the mineral substance ensures intensive long-term remineralisation with the help of saliva. The effect is ensured for more than 1 year. Only minimal or no enlargement of the fissures is carried out, which is gentle to the hard substance. Dry with warm air and moisten thoroughly with preparations, as described above for caries prophylaxis. Thereafter the procedure is repeated 1-2 times per year as part of caries prophylaxis by deep fluoridation.

Contents:

1 pc x 20 ml liquid/1 pc x 5 ml liquid
1 pc x 20 ml suspension / 1 pc x 5 ml suspension
1 pc dropper
1 pc x instructions for use

Contraindications:

Individual intolerance to the components. In case of allergic reactions discontinue use and consult a physician.

Precautions:

Keep away from children!

Wear suitable protective clothing and gloves before use.

Avoid contact with eyes. In case of eye contact, flush with copious amounts of water.

Wear protective gloves.

Do not use materials for pregnant women (due to insufficient clinical data)

In case of allergic reactions in particularly susceptible patients, the material should be removed and further use of the material should be avoided.

In case of accidental ingestion of a large amount (more than 5 ml) (liquid #1), drink plenty of water.

Storage conditions:

Store at 4°C to 25°C; relative humidity 10-95%.

Avoid direct sunlight.

Keep away from moisture.

Shelf life:

3 years from date of manufacture.

Environmental requirements:

The products do not release any toxic substances into the environment at room temperature and do not have any harmful effects on the human body upon direct contact.

Product disposal:

The product is not regarded as hazardous waste. Dispose of in accordance with accepted medical practice and applicable local, state and federal laws and regulations. Hazard Class for medical waste with morphological specification: Class A

Medical product manufacturer:

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