

VITRO MOLAR **Instructions for use**

The use of gloves is recommended during the procedure.

Attention: The patient must be informed on the risk to occur sensitivity in the place of the procedure. This sensitization can be minimized through the use of proper isolation (rubber sheet) and pulp protection.

Do not apply VITRO MOLAR on the pulp, or over a dentin layer less than 0.5 mm thick. In such cases, if endodontic treatment is not necessary, a calcium hydroxide cement should be previously applied instead.

Preparation

A healthy dentin can be completely preserved during the preparation. Because of the adherence of VITRO MOLAR onto the enamel and dentin, it is not necessary to perform any retention procedures.

However, care must be taken to avoid the formation of dentin layers less than 0,5mm thick. After preparation, the cavity surface must be well cleaned with water and it must be dried without causing dehydration.

The product tends to adhere to metal instruments; for this reason, it is recommended that these instruments are cleaned with cold water before the residue dries off .

Product wastes must not be reused. They must be disposed as the local law in force.

Precautions:

Avoid the use of VITRO MOLAR in patients with previous history of allergy to glass ionomer cements. In case of allergy, you must discontinue the use immediately and advise the patient to see a doctor. The liquid and the prepared cement can be corrosive. Do not allow contact with soft tissues or the skin. In case of contact, you should immediately remove the material with hydrophilic cotton soaked with water and rinse thoroughly with water. Avoid contact with the eyes in case of accidental contact, wash the eyes immediately with water and see a doctor. Do not mix the powder or liquid which are components of this product with any other glass ionomerbased product. This product must be used only by dentists and for the intended use described in the Instructions for Use. Avoid contact with eugenol-based products, since they can delay the action of glass ionomers.

Tooth Conditioning

Before applying VITRO MOLAR, you should apply VITRO CONDICIONADOR over the cavity surface (enamel or dentin) for 10 seconds to remove the dentin mud. After that, rinse it thoroughly with water and carefully dry it with sterilized absorbent paper. Keep the surface wet. Note: Glass ionomers, unlike other materials, do not work well on a dehydrated surface.

Dosage

Gently shake the bottle, to release the powder. Fill the measuring spoon with powder and level it in the stopper. The proportion used should be of 1 measuring spoon of the powder to 1 drop of the liquid. Liquid should be dispensed holding the bottle in a vertical position. Any crystals present in the neck should be removed, to assure there are not air bubbles in the drop dispensed. Keep the powder and liquid bottles tightly closed after use.

Manipulation

With a metal or plastic spatula, prepare the mixture over an appropriate mixing pad or glass slab during 20 seconds. The ideal procedure is to add the powder into the liquid in 2 portions, adding the second portion just after complete homogenization of the first portion. Mix the powder with the liquid until a homogenous consistence is obtained.

Application

Apply VITRO MOLAR with CENTRIX syringe and Accudose Posterior HV tips. During application, do not remove the tip from the material already applied in order to prevent the formation of air bubbles. The appropriate technique for each kind of indication must be followed. Whenever possible, apply some pressure using an acetate matrix and your finger over the applied material until complete setting is obtained. Remove the matrix and immediately apply a varnish or ALPHABOND on top of the restoration.

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Finishing and Polishing

Wait 6 minutes before you start the finishing procedure. Depending on the area, the occlusal adjust and the excess material can be removed with finishing diamond burs for composite resins. Use low rotation. Polishing can be performed with silicone tips in low rotation. Apply a new varnish layer or ALPHABOND and instruct the patient not to chew for about one hour.