

CONSERVATIVE

ETCH SEPT 37®

ETCHSEPT 37% Antibacterial etching gel for enamel and dentin

Description

Etchsept 37% is an etchant gel containing 37% orthophosphoric acid and 2% of chlorhexidine digluconate.

The product is used as:

- 1) **Etching of enamel and dentin** to promote adhesion of primer/bonding agent adhesives to tooth structure and restorative materials
- 2) **Protection of the collagen** component of the hybrid layer to the dentin-adhesive interface with conservation in a long period of the dentinresin adhesion.
- 3) **Antibacterial action** in the dentin tubules (see the frequent permanence of the bacterial component also after removal of the infected dentin in cavity after filling with composite).

Etchsept 37% is packed in bicomponent syringes: the first chamber of the syringe contains orthophosphoric acid, the second chamber contains chlorhexidine digluconate. The two gels, with similar consistency, are mixed through a mixer tip, generating a gel easy to use and to control due to its intense blu colour.

With the bent intra-oral tip inserted in the mixer tip, the gel is precisely applied even in areas with difficult access.

Etchsept 37% is a silicon-dioxide-free etching gel with thixotropic properties: a high-soluble thickener polymer was used to simplify the rinsing procedures, guaranteeing its complete removal.

The product contains chlorhexidine digluconate that allows, during the contact period of the gel (15-30 seconds), to explicate a protecting activity to collagen component of the hybrid layer with conservation, the dentin-resin adhesion and inhibiting the bacterial increase in the dentin tubules after cavity filling.

The removal of the residual bacteria from the dentin surface (and from the dentin tubules) contributes to the reduction of the dentin sensitivity, since the penetration

of bacteria and bacterial toxins towards the dental pulp is effectively hampered.

It was therefore demonstrated that the presence of bacteria on the dentin surface is responsible for pulp inflammation/irritation and/or pulp necrosis caused by the penetration of bacteria through the dentin and, above all, by toxins produced by the bacterial metabolism.

Etchsept 37% is used in the total etch technique for the following indications:

- Composite restorations
- Adhesive cementation of inlays (composite and allceramic), crowns, bridges, veneers
- Splints
- Bonding of orthodontic attachments (e.g. brackets)
- Pit and fissure sealing

Instruction for use

Isolate tooth and prepare the cavity in a conservative manner.

Uniformly apply the gel to the whole cavity placing etchant on enamel first, then proceed to cover dentin (action time: 30 seconds on the enamel, 15 seconds on the dentin). Aspirate the gel, then rinse

thoroughly the etched area for at least 5 second with water, then dry with a gentle stream of air for at least 5 seconds. Avoid excessive drying of the dentin.

The treated area of enamel will be chalky appearance, if not, repeat the etching procedure.

It should be avoided the contact between saliva and the treated surface. In case this occurs, repeat conditioning for 10 seconds. The chalky white aspect of the enamel should be sought again.

Apply the primer/bonding system and the composite following the manufacturer's instruction.

Composition

Orthophosphoric acid, chlorhexidine digluconate, thickener, colorant, water

Packaging

- N.2 Syringes 6 gr. Etchsept 37% gel,
- N. 10 Mixers + oral tips
- N. 1 Instruction guide

Medical device class IIa

CE 0373 - PATENT PENDING



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