

INSTRUCTIONS FOR USE

CAITHEC DENTIN BONDING AGENT

1. PRODUCT DESCRIPTION

The two-step CAITHEC Dentin Bonding Agent is a light-cured product developed to promote compatibility between dental enamel and the resin used in restoration procedures, as well as in other procedures that require effective bonding. Consisting of two stages (acid etching and adhesion), this bonding product offers a reliable and long-lasting adhesion, ensuring a solid bond between materials. Its application creates a stable and robust interface, facilitating the restoration process.

2. PRESENTATION

Bottle containing 5 mL.

3. COMPOSITION

Dimethacrylate monomer, initiators, adhesive and ethyl alcohol.

4. INDICATION OF USE

The two-step CAITHEC Dentin Bonding Agent is indicated to promote compatibility between enamel and the resin used in restoration procedures, as well as in other procedures that require effective bonding. Its light-cured formula, composed of acid etching and adhesion stages, promotes a solid and lasting bond between materials, facilitating the dental restoration process.

5. ACTION

CAITHEC Dentin Bonding Agent is classified as an invasive, non-surgical medical product, applied through one of the body's orifices (oral environment) for prolonged use, remaining more than 60 minutes in contact with the environment.

6. CONSERVATION/STORAGE

- Keep the product in its original packaging always closed.
- Protect it from direct sunlight.
- Store the product in a cool place at temperatures between 5°C and 28°C.

7. INSTRUCTIONS FOR USE

1. Direct restorations:

After preparing and cleaning the cavity, proceed with the following steps:

1.1. Conventional technique (with acid etching):

- Apply ATACKTEC 37% phosphoric acid gel on enamel and dentin: The ATACKTEC phosphoric acid gel must be in contact with the enamel for 30 seconds and in contact with the dentin for 15 seconds. Remove the ATACKTEC phosphoric acid gel with an air and water spray. The enamel must be dried and excess moisture from the dentin must be removed with absorbent paper, keeping the dentin surface slightly moist.
- Apply the bonding agent on enamel and dentin: The adhesive must be applied using a brush-shaped micro-applicator, gently shaking it over the entire surface for approximately 10 seconds, ensuring complete coverage. Then the solvent should be evaporated with a jet of air and another layer of the bonding agent should be applied and the solvent evaporation step repeated.
- Light cure it for 20 seconds. The surface must appear shiny, otherwise it is necessary to repeat the application.
- Insert the restorative material, according to the manufacturer's instructions.

1.2. Self-etching technique

- The bonding agent must be applied using a brush-shaped micro-applicator over the entire surface for approximately 20 seconds. Then the solvent should be evaporated with a jet of air, another layer of the bonding agent should be applied, and the solvent evaporation step repeated.
- Light cure it for 20 seconds.

1.3. Enamel selective-etching technique:

- Apply the 37% ATACKTEC Phosphoric Acid Gel only to enamel for 30 seconds following the steps described in the acid-etching technique. After this step, the bonding agent must be applied over the entire prepared surface (enamel and dentin) as described in the self-etching technique.

2. Indirect restorations:

After preparing and cleaning the substrate, proceed with the following steps:

- Choose the conventional or self-etching technique and proceed with the steps described for indirect restorations to apply the bonding agent to the substrate.
- Etch the glass ceramic surface with CAITHEC Hydrofluoric Acid according to recommendations.

- Grind down composite, zirconia and metal surfaces, preferably with aluminum oxide blasting $\leq 40\mu$.
- Wash surfaces with water spray and dry with air jet or absorbent paper.
- The bonding agent must be applied using a brush-shaped micro-applicator over the entire surface for 20 seconds. Then the solvent should be evaporated with a jet of air, another layer of the bonding agent should be applied, and the solvent evaporation step repeated. Light cure it for 20 seconds.
- Cement the indirect restoration with CAITHEC Dual-Cure Resin Cement according to the instructions for use.

3. Repair and cementation of restorations (composite, vitreous ceramic, zirconia and metal):

- Grind down composite, zirconia and metal surfaces, preferably with aluminum oxide blasting $\leq 40\mu$. The glaze of ceramic restorations must be removed up to 1mm from the margin.
- Wash surfaces with water spray and dry with air jet or absorbent. Then, apply the bonding agent over the entire surface, evaporate the solvent with a jet of air for 10 seconds and light-cure the material for 20 seconds.

4. Cementation of intraradicular posts:

After preparing and cleaning the radicular canal, proceed with the following steps:

- The bonding agent must be applied using a brush-shaped micro-applicator over the entire surface for 20 seconds. Then the solvent should be evaporated with a jet of air, another layer of the bonding agent should be applied, and the solvent evaporation step repeated. Light cure it for 20 seconds.
- Cement the intraradicular post following the manufacturer's instructions.

8. CONTRAINDICATIONS

- Avoid applying the product on the gums of patients who have recently undergone some type of oral surgical procedure or who have any type of gingival irritation.
- Incomplete polymerization of the product or excessive time may lead to slight gingival irritation in some cases.

9. WARNINGS

- The product has methacrylate monomers that may cause allergic reactions or mild irritations to patients sensitive to these substances.

10. SPECIAL CARE

- Suspend the use of the product in case of allergic reactions.

11. MANIPULATION

- Aseptic environment.

12. INTERACTIONS

- No interactions.

