

## INSTRUCTIONS FOR USE

### CAITHEC UNIVERSAL DUAL-CURE RESIN CEMENT

#### 1. PRODUCT DESCRIPTION

CAITHEC Dual-Cure Resin Cement is presented in the form of two pastes (catalyst paste and base paste). After the two pastes are mixed, they polymerize chemically (interaction of dibenzoyl peroxide and amine – DHET) and by photoactivation using the photopolymerization system (LED or halogen). This product is used to bond indirect restorations to tooth structure, and it can be used in inlays, onlays, crowns, and bridges. The product is presented in only one universal color.

#### 2. PRESENTATION

1 (one) syringe containing 3 g of base.

1 (one) syringe containing 3 g of catalyst.

#### 3. COMPOSITION

**Catalyst:** dodecanediol monomers, inert filler, initiator.

**Base:** dimethacrylate monomers, silica, photoinitiator, co-initiator, filler and amine.

#### 4. INDICATION OF USE

Permanent cementation of crowns and pure porcelain or fused bridges to parts of precious, semi-precious or non-precious metals (ceramic metal), inlays, onlays and overlays in porcelain or composite resin, fiberglass, ceramic or metallic root posts.

#### 5. ACTION

CAITHEC Dual-Cure Resin Cement 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 it in a dry place at room temperature (5°C to 28°C).

#### 7. INSTRUCTIONS FOR USE

- Isolate the tooth using the proper technique.
- Wash and dry (oil-free drying) the place where the cement will be used.
- Carefully etch enamel and dentin for 20 seconds with ATACKTEC 37% Phosphoric Acid Gel.
- Remove the gel with a vigorous spray of water. Rinse for at least 10 seconds. Dry the preparation slightly with air or with cotton balls.
- Apply a uniform layer of the CAITHEC Dentin Bonding System with a brush or micro-applicator and proceed with light curing according to the instructions for use.
- CAITHEC Resin Cement is not compatible with single-step self-etching bonding agents.
- Dispense the necessary amount of cement onto the mixing pad in a 1:1 ratio and mix the pastes

for 10 seconds with a plastic spatula or a disposable mixing tip.

- Apply a thin and homogeneous layer of CAITHEC Dual-Cure Resin Cement on the internal surface of the restoration or on the internal walls of the cavity preparation.
- Position the prosthetic piece or the post on the cement layer, pressing lightly to remove excess cement.
- Light cure it for 40 seconds to ensure the pieces are fixed, keeping in mind that chemical curing can take up to 10 minutes to fully occur.
- Inform the patient to avoid excessive forces for at least 20 minutes after the procedure.

#### 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.

