

## INSTRUCTIONS FOR USE

# CEMENT-FILL

## Root Canal Obturator Material

### 1. PRODUCT DESCRIPTION

Cement-Fill AF do BRASIL is an intracanal obturator material, which has bacterial action, formed by a powder and a liquid, which after mixing form a homogeneous, easy-to-handle paste, which is taken to the canal in a plastic state, to use with gutta-percha cones.

### 2. PRESENTATION

- POWDER: 1 vial with 12g of CEMENT-FILL.
- LIQUID: 1 bottle with 10ml of CEMENT-FILL.

### 3. COMPOSITION

- POWDER: Sodium Borate, Zinc Oxide, Colophony, Bismuth Subcarbonate and Barium Sulfate.
- LIQUID: Eugenol and Sweet Almond Oil.

### 4. INDICATION OF USE

Indicated as a cement for root canal obturation, with good tolerance for apical tissues, radiopacity and impermeability, with a fine granulation, providing a homogeneous mixture and perfect flow.

### 5. PRODUCT ACTION

According to BUCKLEY, 1929, the inner ends of canaliculi must be hermetically sealed to prevent infection or reinfection of periapical tissues.

The canal obturator materials must, according to GROSSMAN (1974), present certain properties, such as: it must be easy to be introduced in the root canal, it must be radiopaque, it must not irritate the periapical tissue, it must be easy to remove from the canal. radicular, when this is necessary, must not stain the tooth structure, among others.

CIMENT-FILL is to be used accompanied by gutta-percha cones, whose function is accessory condensation of the paste.

The setting of this product is a reaction between Zinc Oxide and Eugenol, which in the presence of water forms zinc eugenolate. The resin improves mixing characteristics (plasticity) and adhesion. Radiopacity is optimized by bismuth and barium salts.

### 6. CONSERVATION/ STORAGE



STORE IN A DRY PLACE AT ROOM TEMPERATURE  
(15 TO 30°C).

### 7. INSTRUCTIONS FOR USE

- Dispense 2 to 3 drops of liquid Cement-Fill onto a glass plate;
- Add the Cement-Fill powder and trowel to obtain a thick consistency cement, forming a string of approximately 2.5 cm when moving the spatula away from the mass;
- Involve a gutta-percha cone in the Cement-Fill mass and fill the root canal.

### 8. CONTRAINDICATIONS

- Do not use the liquid alone;
- It should not be used in pregnant women;
- It should not be used in people with proven sensitivity to the product;
- A stinging or burning sensation may occur if in contact with the mucosa;
- Liquid may cause skin irritation.

### 9. WARNINGS

- Avoid contact with skin and eyes;
- Do not ingest;
- Do not use after expiration date;
- Keep out of the reach of children;
- For dental use only;
- Handle according to the instructions;
- Avoid excessive extravasation of Cement-Fill in the periapical tissues

### 10. SPECIAL CARES

Avoid inhalation and contact with skin and eyes. The use of protective goggles and gloves is recommended.

### 11. MANIPULATION

After use, keep the package tightly closed.

### 12. INTERACTIONS

There is not.