



## INSTRUCTIONS FOR USE RFX-Cement Dual Cured Permanent Resin Cement

### **PURPOSE**

**RFX Cement** is a Dual-cure Composite Luting/Restorative Resin, designed to provide chemical polymerization beneath indirect restorations and endodontic posts which are accessible or inaccessible to light. It can be light cured for transparent restorations, i.e. onlays, inlays, and porcelain crowns. It can be used for direct restorations as an initial layer for posterior bonded composites and as a core material prior to crown fabrication.

### **INDICATIONS**

Final cementation of crowns and bridges.

Fixation of inlays and onlays, posts and cores, ceramic crowns and Maryland bridges.

Veneering of alloys.

### **DIRECTIONS OF USE**

#### 1. Preparation:

- Clean, rinse and dry.
- Verify prosthetic fit.
- Prepare inside surface of prosthesis.
- Metal-based restorations:
  - Microabrade or sandblast inside surface of prosthesis (aluminium oxide 50 microns).
  - Apply phosphoric acid (**UniEtch**) to inside surface of the prosthesis for 15 seconds, rinse for 5 seconds, dry.
- Ceramic/porcelain:
  - Apply hydrofluoric acid (**Cera-Fix Porcelain Etch**) to inside surface of prosthesis for 90 seconds, rinse and dry.
  - Apply **UniEtch** for 15 seconds to remove porcelain salts and debris formed by HF etching. Rinse and dry.
  - Apply silane (**Cera-Fix Silane**) to inside surface of prosthesis for 1 minute, dry and set prosthesis aside. Do not rinse.
- Zirconia:
  - Do not etch or use silane, air abrade an internal surface of prosthesis only
  - Apply a zirconia primer as per manufacturer instructions.

#### 2. Bond:

- OPTIONAL – For additional antimicrobial effect, apply **Chlor-Ex** to preparation using the microbrush with a scrubbing motion and air dry.
- Apply a puddle coat of **S7 Universal Bond** using disposable applicator brush– gently agitate for 10 seconds.
- Thin/dry for 5 seconds using full air pressure. Preparation should appear shiny.
- Light cure for 20 seconds.

#### 3. Cement:

- Prepare the syringe, attach the tip.
- Apply a thin layer of **RFX Cement** in prosthesis and seat immediately. Working time is approximately 2 minutes 30 seconds.
- For occlusion check ask the patient to close jaws and wait for the final fixation
- Remove excess cement.
- Light cure margins for 20 sec.
- NOTE: Set time is 6-8 minutes

### **PRECAUTIONS AND WARNINGS**

Verify flow prior to applying intraorally. If resistance is met, replace tip and re-check.  
Might be sensitizing. Avoid repeated contact of uncured dental resin with skin.  
Do not use on patients with a known sensitivity to acrylates or other resins.  
If allergic reaction, dermatitis or rash develops, consult a physician.  
Cover syringe tip with gauze if left exposed to ambient light for long periods.  
Keep refrigerated for long-term storage to maintain shelf life.  
To avoid cross-contamination, do not re-use tips.

#### **PACKAGING**

Base+Catalyst(automix syringe)	- 12 g
Mixing tips	- 15pcs

#### **STORAGE**

Store in a dry place (humidity < 50%) **in tightly closed containers** (+5°C...+10°C)  
Re-cap syringes, disinfect with an intermediate level disinfectant between uses.

***Failure to comply with the conditions of storage leads to a change of the working characteristics of the material and decrease the shelf life of the material.***

***The manufacturer is not responsible for any loss of quality caused by the failure to comply with terms of transportation, storage and use established by the manufacturer for this product.***

***Responsibility for the use of the material for purposes other than those specified by the manufacturer falls on user.***

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