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INTRAORAL REPAIR KIT

***Z-PRIME™ Plus, PORCELAIN PRIMER,
PORCELAIN BONDING RESIN, OPAQUER,
PORCELAIN ETCHANT (9.5% HF), BARRIER GEL***

Instructions for Use



IN-189R3
Rev. 5/16

BISCO, Inc.
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Caution: U.S. Federal law restricts this device to sale by or on the order of a licensed Dentist.

INTRAORAL REPAIR KIT

Z-PRIME™ Plus, PORCELAIN PRIMER*, PORCELAIN BONDING RESIN*,
OPAQUER*, PORCELAIN ETCHANT* (9.5% HF), BARRIER GEL*

Indications for Use:

1. Repair of Porcelain & Lithium Disilicate Restorations.
2. Repair of Porcelain-Fused-to-Metal or Zirconia/Alumina Restorations.
3. Repair of Old or Indirect Composite Restorations.

Warnings:

- Do not use this product until you have thoroughly read and understood these instructions.
- Hydrofluoric acid is a very powerful and aggressive chemical. It is a severe eye and tissue irritant. If accidentally splashed into the eye, flush with copious amounts of water for 15 minutes and seek immediate medical attention. Hydrofluoric acid also releases a vapor that irritates respiratory passageways. Chronic inhalation of fumes is dangerous and can cause damage. Extreme care must be taken to protect the patient, operator and assistant. These individuals must wear protective eyewear. The operator and assistant must wear protective gloves. **Rubber dam isolation must be used for intraoral porcelain repair.**
- DO NOT use **PORCELAIN ETCHANT** to etch exposed enamel or dentin surfaces.
- Injury may result if **PORCELAIN ETCHANT** is allowed to remain on the skin or mucosa for extended periods of time. Contact with other tissues: rinse spills immediately with a copious amount of water for several minutes.
- Verify flow of etchants prior to applying intraorally. If resistance is met, replace tip and re-check. Use only recommended tips.
- Do not allow any product to be ingested.
- Re-cap syringes with the luer lock cap. Use of commonly available hygienic protective covering to avoid any contamination of syringes during treatment is recommended.
- **Z-PRIME Plus** and **PORCELAIN PRIMER** are highly flammable.

Cautions:

- Cross-contamination: Product may contain items that are designed for one time use. Dispose of used or contaminated unit-dose components and accessories. Do not clean, disinfect or reuse.

Precautions:

- **Z-PRIME Plus**, **PORCELAIN BONDING RESIN** and **OPAQUER** are light sensitive materials. Use products immediately once dispensed or protect from ambient light.
- Contamination by saliva, blood, or water should be avoided during these procedures.
- Avoid contact with the skin; unpolymerized (meth)acrylate resins may cause skin sensitization in susceptible persons. In case of contact, wash skin with soap and water.
- See individual component labels for specific expiration dates.
- Safety data sheet available on request.
- Safety data sheet available at www.Bisco.com.

TECHNICAL INFORMATION

OPAQUER:

At room temperature (20°C/68°F - 25°C/77°F)

Working time: Minimum 30 sec.

Setting time: Maximum 2 min. 45 sec.

INSTRUCTIONS FOR USE

Repair of Porcelain & Lithium Disilicate Restorations:

1. Isolate the area to be repaired.
2. Remove the glaze & bevel (45 degree) the porcelain around the area to be repaired.
3. Place BARRIER GEL on gingival tissue that may be exposed or on porcelain to protect areas where etching is not desired.
4. Remove cap from PORCELAIN ETCHANT, securely attach dispensing tip and verify etchant flow prior to applying intraorally. Apply PORCELAIN ETCHANT (9.5% HF) to the dry porcelain surface for 90 seconds. Continue to observe the etch site throughout the entire procedure. Suction the PORCELAIN ETCHANT, then rinse with a copious amount of water and air dry. The etched surface should appear dull and frosty (if porcelain has a white/chalky appearance, agitate a moist microbrush on the porcelain to remove salt and debris created by etching, rinse and dry).

NOTE: Porcelain may be sandblasted or abraded with a coarse diamond bur as an alternative to Hydrofluoric Acid Etching.

5. Apply 1 coat of PORCELAIN PRIMER to the etched porcelain surface and allow to dwell for 30 seconds. Dry with air syringe.
6. Apply a thin layer of PORCELAIN BONDING RESIN to the repair site. Spread composite evenly over the surface and light cure.

Repair of Porcelain-Fused-to-Metal or Zirconia/Alumina Restorations:

1. Isolate the area to be repaired.
2. Remove the glaze & bevel (45°) the porcelain around the area to be repaired.
3. Place BARRIER GEL on gingival tissue that may be exposed or on porcelain to protect areas where etching is not desired.

4. Remove cap from PORCELAIN ETCHANT, securely attach dispensing tip and verify etchant flow prior to applying intra orally. Apply PORCELAIN ETCHANT (9.5% HF) to the dry porcelain surface for 90 seconds. Continue to observe the etch site throughout the entire procedure. Suction the PORCELAIN ETCHANT, then rinse with a copious amount of water and air dry. The etched surface should appear dull and frosty (if porcelain has a white/chalky appearance, agitate a moist microbrush on the porcelain to remove salt and debris created by etching, rinse and dry).
NOTE: Porcelain may be sandblasted or abraded with a coarse diamond bur as an alternative to Hydrofluoric Acid Etching.
5. Apply 1 coat of PORCELAIN PRIMER to the etched porcelain surface and allow to dwell for 30 seconds. Dry with air syringe.
6. Apply 1 coat of Z-PRIME Plus to the exposed metal/zirconia/alumina & dry with an air syringe for 3-5 seconds.
7. If metal masking is required, shake OPAQUER Base and Catalyst bottles well before dispensing. Dispense one drop each of Catalyst and Base onto a mixing pad, and mix with a brush tip. Apply a thin coat of OPAQUER only to the metal surface and allow to self cure, or light cure for 5 seconds. An oxygen inhibited layer will be present on the surface once the curing process has completed. This is normal for this material.
8. Apply a thin layer of PORCELAIN BONDING RESIN to the repair site. Spread composite evenly over the surface and light cure.
9. Complete the repair using composite and finish/polish.

Repair of Old or Indirect Composite Restorations:

1. Isolate the area to be repaired.
2. Bevel the margins (45°) around the area to be repaired.
3. Roughen surface using air abrasion, diamond point or bur. Rinse and air dry.
4. Apply 1 coat of Z-PRIME Plus. Dry with an air syringe for 3-5 seconds.
5. Apply a thin layer of PORCELAIN BONDING RESIN to the repair site. Spread composite evenly over the surface and light cure.

DISPOSAL: Refer to community provisions relating to waste. In their absence, refer to national or regional provisions relating to waste.

STORAGE: Store at room temperature (20°C/68°F - 25°C/77°F). Z-PRIME Plus storage is 2°C/36°F -25°C/77°F.

WARRANTY: BISCO, Inc. recognizes its responsibility to replace products if proven defective. BISCO, Inc. does not accept liability for any damages or loss, direct or consequential, stemming from the use of or inability to use the products as described. Before using, it is the responsibility of the user to determine the suitability of the product for its intended use. The user assumes all risk and liability in connection therewith.

* PORCELAIN PRIMER, PORCELAIN BONDING RESIN, OPAQUER, PORCELAIN ETCHANT, and BARRIER GEL are manufactured by BISCO, Inc. Z-PRIME is a trademark of BISCO, Inc.

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