BISCO

# PORCELAIN ETCHANT

*9.5% Buffered Hydrofluoric Acid Gel*

*Instructions for Use*

CE 0459

## en PORCELAIN ETCHANT
### 9.5% Buffered Hydrofluoric Acid Gel

**GENERAL INFORMATION**

**PORCELAIN ETCHANT** is a 9.5% buffered hydrofluoric acid gel that must be handled with extreme care (See **WARNINGS**). BISCO's 9.5% **PORCELAIN ETCHANT** has been buffered, gelled and packaged to minimize problems, provided that it is used in accordance with these instructions.

**PORCELAIN ETCHANT** improves the mechanical bond between porcelain and adhesive/cement by increasing the surface area of the porcelain. The effect is similar to sandblasting but is more controlled and effective.

**Intended use** of cement.

**Indications for Use:**
The principle use of 9.5% **PORCELAIN ETCHANT** is for etching porcelain prior to:
1. Cementation of porcelain restorations.
2. Repair of porcelain 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 skin irritant. Exposure causes severe burns. 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 hydrofluoric acid causes lung damage.
- Extreme care must be taken to protect the patient, operator and assistant.
- Protective eyewear must be worn by patient, operator, and assistant.
- The operator and assistant must wear latex gloves.
- **Do not place isolation material or rubber dam for intraoral porcelain repair.** DO NOT use **PORCELAIN ETCHANT** on intraoral porcelain or other surfaces.
- You may reuse if **PORCELAIN ETCHANT** is allowed to remain on the skin or mucosa for extended periods of time. Contact with other tissues may cause minor irritation. Wash with copious amounts 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.

**Caution:**
Cross-contamination:
- Product may contain items that are designed for one time use. Dispose of used or contaminated tips. Do not clean, disinfect or reuse.
- Use of commonly available hygienic protective covering to avoid any contamination of syringes during treatment is recommended. If syringe becomes contaminated, discard. Do not clean or disinfect.

**Precautions:**
- Do not etch restorations that have been etched by the lab. Over etchingprovoke may cause weakening of porcelain or degradation of bond strength.
- **PORCELAIN ETCHANT** will microscopically roughen porcelain and glass surfaces. As such, care must be taken to avoid having the etchant cement placed porcelain surfaces since these surfaces will lose their glass.
- Some restorative components (such as glazes) for specific application dates, or for all ceramic systems are etchable. Contact your lab for manufacturer's instructions.
- Use only recommended tips to avoid cross-contamination.
- Safety data sheet available on request.
- Safety data sheet available at www.bisco.com.
- Instructions for Use available upon request.
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**INSTRUCTIONS FOR USE**
**1. ETCHING PORCELAIN RESTORATIONS TO CEMENTATION**
1. Protective eyewear and gloves must be worn by operator and assistant.
2. If the lab has not already etched the restoration, remove cap from **PORCELAIN ETCHANT**, securely attach dispensing tip and verify refuse flow prior to application. Apply **PORCELAIN ETCHANT** (9.5% HF) to the dry porcelain surface for 90 seconds. Care must be taken to avoid having the etchant contact glass surfaces since the surfaces will lose their glass.
3. Rinse with a copious amount of water and air dry. The etched surface should appear dull and frosty if porcelain has a etched highly appearance, agitate a second application of the porcelain to remove salt and debris created by etching, rinse and dry.
4. Apply one to two thin coats of silane with a brush to the etched surface and dry. The etched surface should appear dull and frosty if porcelain has a etched highly appearance, agitate a second application of the porcelain to remove salt and debris created by etching, rinse and dry.
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**2. PORCELAIN REPAIR RESTORATIONS**
1. Protective eyewear must be worn by patient, operator and assistant.
2. Protective gloves must be worn by operator and assistant.
3. Remove the glaze & bevel (45 degree) the porcelain around the area to be repaired. Remove any old composite remaining from previous repairs.
3. Isolate the area to be etched with a rubber dam. BISCO's BARRIER GEL should be placed where etching is not desired.
4. Remove cap from **PORCELAIN ETCHANT**, securely attach dispensing tip and verify refuse flow prior to application. Apply **PORCELAIN ETCHANT** (9.5% HF) to the porcelain surface for 90 seconds. Care must be taken to avoid having the etchant contact glass surfaces since the surfaces will lose their glass.
5. Rinse with a copious amount of water and air dry. The etched surface should appear dull and frosty if porcelain has a etched highly appearance, agitate a second application of the porcelain to remove salt and debris created by etching, rinse and dry.
6. Apply one to two thin coats of silane with a brush to the etched surface and dry. The etched surface should appear dull and frosty if porcelain has a etched highly appearance, agitate a second application of the porcelain to remove salt and debris created by etching, rinse and dry.
7. Apply **Bisco Porcelain Primer, Bisco Adhesive, Bisco Flowable Composite, see the instructions for BISCO's INTRAORAL REPAIR KIT.**

**HYGIENE:** Re-cap syringes with the luer lock cap. Use of commonly available hygienic protective covering to avoid any contamination of syringes during treatments is recommended.

**DISPOSAL:** Refer to community provisions relating to waste. In their absence, dispose of in accordance with local regulations.

**WARNING:** Store in dry place at temperature (20°C/68°F - 25°C/77°F).

**WARRANTY:** BISCO, Inc. recognizes its responsibility to replace products found to be defective. BISCO, Inc. does not accept liability for any damages or loss, either direct or consequential, stemming from the use of or inability to use this product, whether or not modified. 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 whatever in connection therewith.

**NOTICE:** Report any serious incident to BISCO and the competent authority of the country in which the user or patient is established.

* BARRIER GEL and INTRAORAL REPAIR KIT are manufactured by BISCO, Inc.

**WARNING!**
**Do not use PORCELAIN ETCHANT, Bisco Adhesive, Bisco Flowable Composite, see the instructions for BISCO's INTRAORAL REPAIR KIT on Glass or Porcelain Restorations (20°C/68°F - 25°C/77°F).**
**WARRANTY:** BISCO, Inc. recognizes its responsibility to replace products found to be defective. BISCO, Inc. does not accept liability for any damages or loss, either direct or consequential, stemming from the use of or inability to use this product, whether or not modified. 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 whatever in connection therewith.
**NOTICE:** Report any serious incident to BISCO and the competent authority of the country in which the user or patient is established.

* BARRIER GEL and INTRAORAL REPAIR KIT are manufactured by BISCO, Inc.

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


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## de PORCELAIN ETCHANT
### 9.5 % Gepufferte Fluorwasserstoffsäure-Gel

**ALLGEMEINE INFORMATIONEN**

**PORCELAIN ETCHANT** ist ein gepuffertes Fluorwasserstoffsäure-Gel, das mit größter Vorsicht gehandhabt werden muss (Siehe **WARNUNGEN**). BISCO's 9.5 % **PORCELAIN ETCHANT** von BISCO wurde gepuffert, gegelt und entsprechend verpackt, um Probleme zu minimieren. Die Verpackung entspricht den Anweisungen hergestellt werden.

**PORCELAIN ETCHANT** verbessert die mechanische Bindung zwischen Porzellan und Klebstoff/Zement durch Vergrößerung der Oberfläche von Porzellan. Der Effekt ist vergleichbar mit dem Sandstrahlen, lässt sich jedoch besser steuern und ist effektiver.

**Vorgesehener Benutzer:** zugelassener Zahnarzt.

**Indikationen:**
Die Hauptanwendung des 9.5%igen **PORCELAIN ETCHANT** ist das Ätzen von Porzellan vor der:
1. Zementierung von Porzellanrestaurationen.
2. Reparatur von Porzellanrestaurationen.

**Warnhinweise:**
- Verwenden Sie dieses Produkt erst, nachdem Sie diese Anleitung sorgfältig gelesen und verstanden haben.
- Flusswasserstoffsäure ist eine sehr starke und aggressive Chemikalie.
- Sie ist stark ätzend und reizend. Kontakt mit Augen und Haut verursacht schwere Verbrennungen. Mit reichlich Wasser spülen und sofort ärztlich behandeln.
- Flusswasserstoffsäure setzt außerdem Dämpfe frei, die die Atemwegsorgane. Das Gauchatmen Flusswasser sondern Dämpfe ist gefährlich und kann zu Gesundheitsschäden führen.
- Es muss eingehend darauf geachtet werden, dass Patient, Operateur und Assistent geschützt werden.
- Der Operateur und Assistent müssen Augenschutz tragen.
- **Es darf keinesfalls Kofferdam oder Isolation für intraorale Porzellanreparaturen verwendet werden.** Verwenden Sie **PORCELAIN ETCHANT** nicht für intraorale Porzellan oder andere Oberflächen.
- Sie können **PORCELAIN ETCHANT** allowed to remain on the skin or mucosa for extended periods of time. Contact with other tissues may cause minor irritation. Wash with copious amounts 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.

**Caution:**
Cross-contamination:
- Product may contain items that are designed for one time use. Dispose of used or contaminated tips. Do not clean, disinfect or reuse.
- Use of commonly available hygienic protective covering to avoid any contamination of syringes during treatment is recommended. If syringe becomes contaminated, discard. Do not clean or disinfect.

**Precautions:**
- Ätzen Sie keinesfalls Restaurationen, die bereits im Labor geätzt wurden. Das Ätzen kann zu einer Schwächung der Porzellanoberfläche und einer Verminderung der Haftung führen.
- **PORCELAIN ETCHANT** bewirkt eine mikroskopische Aufrauung von Porzellan- und Glasoberflächen. Sie muss deshalb gewährleistet werden, dass die Ätzmittel nicht in Kontakt mit glasierten Porzellanoberflächen kommt, da diese Oberflächen ihre Glasur verlieren.
- Some restorative components (such as glazes) for specific application dates, or for all ceramic systems are etchable. Contact your lab for manufacturer's instructions.
- Verwenden Sie nur empfohlene Spitzen, um Kreuzkontaminierungen zu vermeiden.
- Sicherheitsdatenblatt auf Anfrage verfügbar.
- Sicherheitsdatenblatt auf www.bisco.com.
- Der Patient und das zahnärztliche Personal sollten einen Augenschutz tragen.
- Gebrauchsanweisung auf Anfrage verfügbar.
- Gebrauchsanweisung auf www.bisco.com.

**1. ÄTZEN VON PORCELLANRESTAURATIONEN VOR DER ZEMENTIERUNG**
1. Der Operateur und Assistent müssen einen Augenschutz und Schutzhandschuhe tragen.
2. Wenn das Labor die Restauration noch nicht geätzt hat, entfernen Sie die Kappe des **PORCELAIN ETCHANT**, befestigen Sie die Dispenserspitze sicher und überprüfen Sie den Auslauf. Tragen Sie mit mit der Anwendung beginnen **PORCELAIN ETCHANT** (9,5 % HF) auf die trockene Porzellanoberfläche für 90 Sekunden. Achten Sie darauf, dass das Ätzmittel nicht in Kontakt mit Glasoberflächen kommt, weil die Glasoberflächen ihren Glanz verlieren.
3. Mit ausreichend Wasser spülen und an der Luft trocknen lassen. Die geätzte Oberfläche sollte matt und frostig erscheinen (wenn Porzellan mit wellenförmiges Aussehen hat, sollte eine zweite Porzellanbehandlung durchgeführt werden, um Salz und Ablagerungen, die durch das Ätzen entstanden, zu entfernen, anschließend spülen und trocknen).
4. Mit einem Pinsel ein bis zwei dünne Silanschichten auf die geätzte Oberfläche der Restauration aufbringen und trocknen lassen. Wenn Porzellan wellenförmiges Aussehen hat, sollte eine zweite Porzellanbehandlung durchgeführt werden, um Salz und Ablagerungen, die durch das Ätzen entstanden, zu entfernen, anschließend spülen und trocknen lassen.
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16. Mit einem Pinsel ein bis zwei dünne Silanschichten auf die geätzte Oberfläche der Restauration aufbringen und trocknen lassen. Wenn Porzellan wellenförmiges Aussehen hat, sollte eine zweite Porzellanbeh

## PORCELAIN ETCHANT

**9,5% roztwór do trawienia porcelanowego**

**OPIS WYROBU**

**PORCELAIN ETCHANT** w 9,5% roztworze fluorowodoru nadaje się do trawienia porcelanowego, szkła i innych materiałów ceramicznych. **PORCELAIN ETCHANT** jest bezpieczny w użyciu. Nie powoduje zmian w strukturze powierzchni. Nie powoduje korozji. Dzięki temu, że jest bezpieczny, dokładnie wytrawia powierzchnie, nie powoduje ich uszkodzenia i zachowuje ich wygląd.

**PORCELAIN ETCHANT** rozpuszcza niewielkie ilości wapnia, magnezu i aluminiosilanowych oraz zwiększenie ich rozpuszczalności tlenu, wodoru i fluoru. Efektem jest trzykrotne zwiększenie, w porównaniu z kwasem fluorowodorowym.

**Przechowywanie:** ochładzanie stromadzą.

**Użycie za pomocą:**
- Zakryć powierzchnię 9,5-procentowy produkt **PORCELAIN ETCHANT** pędzelkiem lub gąbką.
- Pozostawiono na 1 minutę.
- Dokładnie spłukać.

**Uwagi:**
- Nieprzyczyniły tego produkt, dotyczy na cię chyba w pełnym przekonaniu.
- Nie dotyczy produktu