Bisco

ETCHANTS Semi-Gel

Phosphoric Acid Etchant

UNI-ETCH® (32%) 0459
UNI-ETCH® (32%) W/BAC
ETH-37™ (37%) 0459
ETH-37™ (37%) W/BAC

Instructions for Use

U.S. Patent: 5,385,728

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

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ETCHANTS

UNI-ETCH™* (32%)  UNI-ETCH™* (32%) W/BAC
ETCH-37™* (37%)  ETCH-37™* (37%) W/BAC

Phosphoric Acid Etchant

GENERAL INFORMATION

BISCO semi-gel ETCHANTS are phosphoric acid (H₃PO₄), polymer-thickened formulations intended for use on enamel and dentin. These ETCHANTS will effectively remove the smear layer, etch and demineralize enamel and dentin, producing the necessary microretentive surface for successful bonding. Our specially formulated (proprietary) etchant gel leaves no silica residue.

ETCH-37 is 37% H₃PO₄ and most effective at quickly etching enamel and dentin. UNI-ETCH is 32% H₃PO₄ and effective at etching enamel and dentin. These ETCHANTS can be used exclusively or in combination.

The polymer thickener creates thixotropic properties, enhancing handling characteristics. The etchant rinses away cleanly and quickly, leaving no residue. Published research proves that BISCO ETCHANTS produce higher bond strengths to (wet or dry) dentin¹ and enamel.

BISCO ETCHANTS are also available with benzalkonium chloride (BAC), an antimicrobial agent. Research confirms the development of residual bacterial inhibition zones of up to 7mm, when challenged with Streptococcus Mutans and Actinomyces Viscosus².

Indications for Use:
1. Etching dentin and enamel
2. Cleaning agent on dental restorative material

Warnings:
• The phosphoric acid in the etchant is a severe eye and skin irritant. Injury may result if the etchant is allowed to remain on the skin or mucosa for extended periods of time. If accidentally splashed into the eye, flush with copious amounts of water and seek medical attention immediately. In case of contact with other tissues, rinse immediately with plenty of water for several minutes.
• Refer to product MSDS for additional warnings.

Cautions:
• Cross-contamination: Product may contain items that are designed for one time use. Dispose of used or contaminated EZ-DOSE™* TIPS and syringe tips. Do not clean, disinfect or reuse.

Precautions:
• Keep away from direct sunlight.
• See individual component labels for specific expiration dates.

INSTRUCTIONS FOR EZ-DOSE TIPS
1. The EZ-DOSE TIP is serrated and can be opened by slightly twisting and gently pulling the tip. Be sure to pull beyond the serrated section.
2. The etchant can now be dispensed by squeezing the bulb portion, directing the tip to the desired placement location (onto tooth or into well), following the INSTRUCTIONS FOR USE below.

Precautions:
• The EZ-DOSE TIP is for single use only. Do not refill.

INSTRUCTIONS FOR USE
1. Isolate tooth and prepare the cavity in a conservative manner. Clean the entire surface with a slurry of pumice and water.
2. Apply etchant* using an EZ-DOSE TIP, a disposable syringe tip, or disposable brush tip. Allow etchant to remain in place for 15 seconds. Etching time should be monitored with a stopwatch. Begin timing at the end of application.
   • Option: Place etchant on enamel first, then proceed to cover dentin, for a slightly longer enamel etching time.
3. Rinse thoroughly (at least 5 seconds) to completely remove all traces of etchant.
4. Remove excess moisture from the tooth and proceed with the application of a total-etch hydrophilic adhesive resin system such as ALL-BOND 2™, ALL-BOND 3™ or ONE-STEP™/ONE-STEP PLUS. To help ensure that the proper level of moisture remains on the preparation, a wetting agent such as AQUA-PREP™* F can be applied prior to application of the total etch adhesive.
   OR If using a self-etch adhesive such as ALL-BOND SE™*, refer to manufacturer’s instructions.

STORAGE: Store at room temperature (20°C/68°F - 25°C/77°F).

WARRANTY: BISCO, Inc. recognizes its responsibility to replace products if proven 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 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.


* UNI-ETCH, ALL-BOND 2, ALL-BOND 3, ONE-STEP and ALL-BOND SE are registered trademarks of BISCO, Inc.
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