

Hydrofluoric Acid Etching Gel

Instructions for Use

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U.S. Federal Law restricts this device to sale by or on the order of a dental professional and for Rx Use Only. Prior to use the product, please read the instruction carefully.

General Description

HuGe Hydrofluoric Acid Etching Gel is a flowable gel with excellent water solubility and miscibility. Using a disposable dispensing tip, Hydrofluoric Acid Etching Gel can be directly applied onto the porcelain restoration surface. Its color is red, which can be identified easily on porcelain surface with contrast.

Hydrofluoric Acid Etching Gel is used as an auxiliary material in a dental bonding procedure followed by the use of Huge Ceramic Coupling Agent and Light Cure Dental Adhesive.

Indications

Used for extraoral etching of various types of resin bonded porcelain/ceramic restorations (veneers, crowns, and inlays) prior to the bonding and cementation procedure.

Accessories

Dispensing Tips

Contraindication

Not for etching of tooth surface or any application in the oral cavity.

Operating Procedure

1. Never use excessive force on syringe plunger to dispense etch which may lead to over dispensing of the material. If resistance is felt, replace current tip with a new tip and check flow extra-orally.
2. Apply the HF gel onto the entire internal surface of the porcelain restoration, and wait for 60 seconds. One may use the tip to stir the gel a bit in order to refresh the gel contacting the porcelain surface to have a complete etch effect during the waiting time.
3. Wash off the HF gel with a jet of stream water for 10 seconds and dry with contamination-free air. Rinse off etchant into a plastic cup until no observable residual etchant remains. Use neutralizing agent (i.e. baking soda) to neutralize leftover solution and properly dispose the left over solution following local environmental regulations.
4. Proceed to the application of HuGe Ceramic Coupling Agent (see the Instructions for Use of the material).

NOTE:

- Refer to outer package for expiration date. Do not use after expiration date.
- Notification of any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority in your country.

Warnings and Precautions

- Hydrofluoric acid is a very powerful, aggressive and toxic chemical. Direct contact may cause allergic reactions, skin irritation or inflammation, leading to tissue damage.
- Hydrofluoric acid also releases a vapor that irritates respiratory passageways. Chronic inhalation of fumes is dangerous and can cause damage.
- Contains HF acid. Avoid contact with skin, eyes and soft tissue. In case of contact with skin or eyes, flush immediately with water. Get medical attention immediately. Do not take internally.
- Hydrofluoric acid is corrosive to quartz, silicate and borate glasses, as well as sanitary ceramics and various metals and alloys (e.g. high-grade steel).
- Dispensing Tips are for single use only, to prevent cross-contaminations between patients.
- If there is spill of the HF gel, pour sufficient amount of base natured chemicals such as Baking Soda,

Calcium Hydroxide, etc. to the spilled material to neutralize the acid immediately. Then clean the site with water, or wipe it off with proper materials and discard following local environmental regulations.

- Wear acid resistant gloves and eye protection goggles when using and handling the HF acid gel.
- Keep away where children may reach.

Storage

- Store Hydrofluoric Acid Etching Gel at 2-25 °C and away from direct light. Use the material at normal room temperature.
- Shelf life: 2 years from date of manufacture

Warranty

HUGE MAKES NO OTHER WARRANTIES INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining the suitability of the products for user’s application. If this product is defective within the warranty period, your exclusive remedy and HUGE’s sole obligation shall be repair or replacement of the HUGE product.

Limitation of Liability

Except where prohibited by law, HUGE will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability.

Symbols for use in the labeling

	Caution		Temperature limit
	Keep away from sunlight		Keep dry
	Consult instructions for use		Warning; Corrosive substance
	Use-by date		Batch code
	Manufacturer		Unique device identifier
	Country of Manufacture		Medical device
	Authorized representative in the European Community		
	Caution:U.S.Federal Law restricts this device to sale by or on the order of a dentist or professionals		

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