



HF GEL

INTENDED USE:

- 1) Cementation of porcelain restorations.
- 2) Repair of porcelain restorations.
- 3) Etching Porcelain Crown Surface for Orthodontic treatment.

COMPOSITION:

9.6% Buffered Hydrofluoric Acid Gel

PRODUCT DESCRIPTION:

HF GEL is a porcelain etchant containing 9.6% buffered hydrofluoric acid in gel form that must be handled with extreme care (see warnings). HF GEL 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.

PROCEDURE & PRODUCT HANDLING:

Repair Of Porcelain Restorations:

1. Protective eyewear must be worn by patient, operator and assistant. Protective gloves must be worn by operator and assistant.
2. 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. Barrier gel* should be placed where etching is not desired.
4. Remove cap from HF GEL, securely attach dispensing tip and verify etchant flow prior to applying intraorally. Apply HF GEL to the dry porcelain surface for 90 seconds. Continue to observe the etch site throughout the entire procedure. Use suction to remove the HF GEL, then rinse with 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).
5. Apply one to two thin coats of silane bonding agent with a brush to the etched surface of the restoration and allow to dwell for 30 seconds. Dry with air syringe.
6. Apply an adhesive system according to the manufacturer's instructions. Complete the repair with composite and finish/polish.

CAUTION / WARNING:

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 HF GEL to etch exposed enamel or dentin surfaces.
- Injury may result if HF GEL 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 syringe with the luer lock cap.

PRECAUTIONS:

Do not re-etch restorations that have been etched by the lab. Over etching porcelain may cause weakening of porcelain or degradation of bond strength. HF GEL will microscopically roughen porcelain and glass surfaces. As such, care must be taken to avoid having the etchant contact glazed porcelain surfaces since these surfaces will lose their gloss.

CONTRAINDICATIONS:

Interactions With Other Dental Materials: HF Gel will react with all material except material is made of rubber and Plastic. Care should be taken that HF gel does not contaminate other materials.

Adverse Reactions: No such Reactions Noted. Kindly communicate and inform manufacturer in details of any instance.

PACKAGING:

Multi dose, Plastic dispensing syringe, with applicator tips.

STORAGE CONDITIONS:

- Keep Away from Direct Sunlight. Keep locked up and out of the reach of children.
- Store at a temperature between 10°C to 30°C.
- Shelf life (2 years from the date of manufacturing) not affected after opening if stored in a cool dry place.
- Always close the cap immediately after use

DISPOSAL CONDITIONS:

Dispose in accordance with local, state and federal environmental regulations.

Manufactured by:
Shiva Products

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These instructions for use should be kept for the duration of product use.

- Symbol for "BATCH CODE"
 Symbol for "USE BY"
 Symbol for "NON STERILE"
 Symbol for "KEEP DRY"
- Symbol for "CONSULT INSTRUCTION FOR USE"
 Symbol for "CATALOGUE NUMBER"
- Symbol for "CAUTION"
 Symbol for "DO NOT USE IF PACKAGE IS DAMAGE"
- Symbol for "KEEP OUT OF THE REACH OF CHILDREN"
 Symbol for "MANUFACTURER NAME & ADDRESS"
- Symbol for "TEMPERATURE LIMITATION"
 Symbol for "KEEP AWAY FROM SUNLIGHT"

The material has been developed solely for professional dental use. Application should be carried out strictly according to the instruction for use. Liability cannot be accepted for damages resulting from failure to observe the instructions of the stipulated area of applications. The user is responsible for testing the material for its suitability and use for any purpose not explicitly stated in this instruction sheet. Description and data constitute no warranty of attributes and are not binding.