

PORCELAIN ETCH

9.6% Hydrofluoric Acid



TECHNICAL & SAFETY INSTRUCTIONS FOR USE

Product Description: Porcelain Etch is 9.6% Hydrofluoric acid in semi-gel form. It improves the mechanical bond between porcelain and bonding agent by increasing the surface roughness.

Application: 1. Repair of porcelain restorations. 2. Cementation of porcelain restorations.

Composition: Hydrofluoric Acid, Ammonium Fluoride, Purified Water and Thickening Agent.

How It Acts (For Crown Cementation): Etches the internal (intaglio) surface of the ceramic. Dissolve the glassy phase creating microscopic pores for micromechanical retention. Increases bond strength with resin cement. **Clinical Steps:** 1. Check crown fit (try-in) and clean the internal surface. 2. Apply porcelain etch to the internal surfaces for 60–90 seconds. 3. Rinse thoroughly with water and dry with oil-free air. 4. Apply resin cement, seat the crown, remove excess cement, and light-cure as recommended.

Precautions: Don't use it on zirconia (It is ineffective). Hydrofluoric acid (HF) is a highly Corrosive and toxic avoid contact with soft tissues and use proper isolation (preferably a rubber dam).

Direction for Use (for repair): 1. Protective eyewear must be worn by both the practitioner and the patient. The practitioner must also wear protective gloves. 2. Isolate the area to be etched with a rubber dam. Apply a gingival barrier around the area to be etched. 3. Remove the cap from the Porcelain Etch syringe, attach the dispensing tip, and check the etchant flow through the tip before intraoral application. Apply the etchant to the dry porcelain surface for 90 seconds. Suction the etchant, rinse thoroughly with copious amounts of water, and dry with oil-free air. The etched surface should appear dull and frosty. 4. Apply 1–2 thin coats of a silane coupling agent to the etched porcelain surface using a brush-tip applicator. Allow it to react for 30 seconds, then gently air dry according to the manufacturer's instructions. 5. Apply the bonding adhesive and follow the manufacturer's instructions for bonding and restoring with composite resin or resin cement.

Warning: Read the instructions thoroughly before using this product. Hydrofluoric acid (HF) is a very powerful chemical, and extreme care must be taken while handling this product.

Storage condition: Store at temperature between 10°C to 24°C. Close the cap carefully after use. Keep away from moisture. Shelf life is not affected after opening if stored in a cool, dry place.

Disposal conditions: To be disposed of based on the prevailing rules of the country in which it is used

Presentation: 1 × 3 gm, 1 × 2 gm, Applicator Tips—RefNo. RD05-01

Shelf Life: 3 Years from the date of manufacturing.

NOTE: TO BE USED BY DENTAL PROFESSIONALS ONLY

Manufactured By :
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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.