

Ceramic Etch Gel

IOS Ceramic Etch Gel is a 10% hydrofluoric acid gel for etching porcelain crowns, veneers and inlays prior to cementation or bonding of brackets with resins cements. It can also be used to etch hybrid composites.

DIRECTION FOR USE

1. Protective eyewear must be worn by practitioner, assistant and patient. Protective gloves must be worn by practitioner and assistant.
2. Place a gingival barrier of liquid Dam “Item# 17-313-201” to isolate operative site and protect soft tissue.
3. Assistant must stand ready at chairside and hold vacuum tip 2-3 inches from porcelain surface during the etching process to evacuate aside fumes.
4. Securely attach 25-gauge luer lock applicator tip to syringe. Carefully start the flow of Ceramic Etch Gel on pad and immediately dispose of this sample. Do not start flow in patient’s mouth. For maximum control of flow, do not push on plunger with thumb. It is recommended instead to hold syringe barrel between the middle finger and forefinger while resting plunger in palm of hand. Gently pull back with the middle finger and forefinger to start flow. Use a new dispenser needle for each patient.
5. Carefully apply Ceramic Etch Gel to porcelain surface and leave **for one minute** while evacuating fumes with vacuum. If ceramic surface is not etched enough, repeat for one more minute. Some ceramic materials are resistant to etching. To achieve a surface suitable for bonding to these materials, air abrasion is recommended. Creating mechanical retention is advantageous. Cap syringe immediately after use.
6. Rinse surface with copious amount of water and dry porcelain with clean uncontaminated air.
7. Apply porcelain primer “Item# 17-411-100” and let it dry
8. Apply one coat of DuraBond “Item# 17-912-102”
9. Proceed with bonding the bracket using TrueBond LC “Item 17-912-100”

Note: Apply disposable barrier sleeves/wraps over multiple-use dental dispensers before use with each patient. For additional information, refer to:

<http://www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/DentalProducts/ucm044472.htm>

CAUTION: Ceramic Etch Gel contain 10% hydrofluoric acid, a powerful and aggressive chemical that produces irritating fumes and must be handled with extreme care. Ingestion, contact with skin and eyes, and chronic inhalation of fumes are dangerous.

Care must be taken to protect practitioner, assistant and patient. IOS Ceramic Etch Gel has been buffered, gelled and packaged to minimize the dangers of hydrofluoric acid, provided it is used in accordance with these instructions. For safe intra-oral use, carefully follow the Direction for Use.

USE AND STORAGE:



Store away from sunlight



Observe storage temperatures



Skin Corrosion



Shelf life, 2 years

WARNING: If Ceramic Etch Gel comes in contact with skin or soft tissue, rinse exposed area with copious amounts of water. Use high-speed evacuation system to remove water.

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