

Oral

CERAM-ETCH™

Porcelain Etching Gel

Description: Oral Ceram-Etch is a 9.5% hydrofluoric acid gel used to etch porcelain so that composite may be successfully bonded to it. This gel may be used for the following: repairing fractured porcelain intra-orally, etching all porcelain restorations chair side, or etching porcelain crowns prior to orthodontic bracket bonding. Ceram-Etch will **not** etch metal. For professional use only.

The shelf life of Oral Ceram-Etch is guaranteed to be at least 1.5 years. Outdated material has a very thick consistency and will be very difficult to dispense from the syringe. If the gel has reached this stage, it is highly recommended to order fresh material.

Precautions: Oral Ceram-Etch contains an acid that can burn soft tissue, eyes, and skin. Always protect the patient and yourself when working with this gel. This includes the use of a rubber dam, eye protection, and any other protection that is needed to protect you and the patient. If contact does occur, rinse immediately with water and contact a physician if needed.

DIRECTIONS FOR INTRA-ORAL USE

- 1) Isolate the area with a rubber dam.
- 2) Lightly grind the area with a coarse diamond to remove the glaze, loose porcelain or other foreign material that may interfere with the etching process. *In cases where large areas of metal are exposed, it may be necessary to etch the metal with Met-Etch.*
- 3) Rinse the area with water, then dry with air.
- 4) If necessary, apply a protectant to areas that are not to be etched.
- 5) With high volume suction in place, apply Oral Ceram-Etch to the porcelain. The thickness of the gel should be at least 1mm.
- 6) Etch time is 3 to 5 minutes when etching regular feldspathic porcelain in the mouth.

- 7) After etching, rinse thoroughly (while evacuating) with high

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pressure water until the red color of the gel has been removed. A *"stain" left on the etch indicates that there is still some gel trapped in the undercuts of the etched porcelain. If this happens, try rinsing from different angles.*

8) Dry the area with air and apply Prilane or another brand of silane coupler, then air dry again to dry the silane.

9) Apply a thin layer of Etch-Bond or another brand of unfilled resin with a brush and light cure.

10) Mask any exposed metal with an opaque composite, then apply the shaded composite and cure according to the manufacturer's instructions. *When a dual cure composite is used, Etch-Bond will automatically cure.*

DIRECTIONS FOR CHAIR SIDE AND LAB USE

Use these directions when bonding all-porcelain restorations in the mouth.

Including: Veneers, pressable ceramics, and milled all-porcelain restorations.

Apply Ceram-Etch to areas of porcelain where an etch is desired. For best results, etch regular feldspathic porcelain for 5 minutes at room temperature, and pressable ceramic materials for 1 minute.

After etching, rinse with water to remove the gel. Place the restoration in a beaker of distilled water and clean ultrasonically for 2 minutes. When dry, the etched surface should look frosted. Do not remove this surface. The restoration is now ready for the silane and composite.

Remember that after trying in a restoration that has already been etched - apply Enam-Etch and rinse with water. This removes any contaminants and prepares the restoration for bonding.



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