

Etchant Gel.

Instructions for Use



General Information

NANOFIL Nova®Etchant Gel phosphoric acid etchants are in a semi-gel form. It is intended for etching enamel and dentin prior to restorative procedures and may also be used for cleaning restorative surfaces. The NANOFIL Nova®Etchant Gel. Etch37 is specially designed for etching enamel selectively. The etchant effectively removes the smear layer, demineralizes enamel and dentin, and creates a micro-retentive surface to enhance bonding performance. It rinses off easily without residue, improving wettability and bond strength. The product may be used in combination with benzalkonium chloride (BAC) for antibacterial effects.

Indications for Use

- 1.Etching of enamel and dentin
- 2.Selective enamel etching
- 3.Cleaning of restorative surfaces prior to bonding

Model and Packing

Models: Etch35, Etch35 BAC, Etch37, Etch37 BAC
Packing: 5g per syringe
Accessories: Etch35, 25G disposable tips (15 each);
Etch35 BAC, 25G disposable tips (15 each);
Etch37, 22G disposable tips (15 each);
Etch37 BAC, 22G disposable tips (15 each);

Intended User Dental Professionals

Precautions

1. Wear protective eyewear
2. Avoid direct sunlight exposure (Prolonged exposure to sunlight may cause the etchant to discolor; however, this will not compromise the product's efficacy.)
3. Verify flow before use (Before use on a patient, familiarize yourself with the pressure required to dispense the etchant from the needle tip. You may test the etchant on a mixing pad or glass slab. Never use the device inside the oral cavity before verifying the flow from the needle tip; never apply excessive force to the plunger to initiate flow within the mouth, as this may result in the subsequent, uncontrolled discharge of material.)
4. Replace tip if resistance occurs (If flow resistance is encountered, do not proceed. Replace with a new needle and verify flow before use on the patient.)
5. Avoid oil- or fluoride-containing materials (Toothpastes containing oil or fluoride should not be used, as these additives may interfere with acid etching.)

Warnings

Contains phosphoric acid, which may irritate skin and eyes. In case of contact, rinse immediately with plenty of water. If in eyes, rinse thoroughly and seek medical attention. Keep out of reach of children.

INSTRUCTIONS FOR USE

Preparation

- Remove cap and attach a 22G or 25G dispensing tip
- Test flow on a mixing pad before intraoral use
- Clean non-fresh surfaces with pumice and rinse
- Avoid oil- or fluoride-containing cleaning agents

Enamel & Dentin Etching

- 1.Apply NANOFIL Nova®Phosphoric Acid Etching Gel 35% etchant for 10–15 seconds
- 2.Rinse thoroughly for at least 5 seconds and dry
- 3.Proceed immediately with bonding
- 4.Dispose of all disposable components

Selective Enamel Etching

- 1.Apply NANOFIL Nova®Etchant Gel. 37% etchant to enamel for 15 seconds
- 2.Suction before rinsing for 5 seconds (Please aspirate before rinsing to prevent the etchant from flowing onto the dentin.)
- 3.Avoid contact with dentin
- 4.Proceed with bonding immediately

Restoration Cleaning

Apply Nova®Etchant Gel. 35% etchant to restorative surfaces (except zirconia) for 30 seconds, then rinse thoroughly.

HYGIENE: Immediately tighten the Luer-lock cap after each use to securely reseat the syringe. Employ standard barrier protection measures to prevent cross-contamination. It is recommended to avoid any contamination of the syringe during treatment. If the syringe becomes contaminated, discard it; do not clean, sterilize, or reuse it. Both the patient and dental staff must wear protective eyewear.

Disposal: Dispose according to local medical waste regulations

WARRANTY: AT&M Biomaterials Co., Ltd. recognizes its responsibility to replace products if proven to be defective. AT&M Biomaterials Co., Ltd. does not accept liability for any damages or loss, either direct or consequential, stemming from the use of or inability to use the products, as described. Before using, it is the responsibility of the user to determine the suitability of the product for its intended use. The user assumes all risk and liability in connection therewith.

The recommended condition of storage:

Store in a cool, dry place at 17–25°C Protect from direct sunlight

Production date: see the product package.

Expiration Date: see the product package.

Labeling instructions

Instructions for use	Warning	Product model	Manufacturing lot	Production date	Expiry date	Avoid direct sunlight

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