

Etchant Gel Instructions for Use

Product description

NANOFIL® Etchant Gel is an etching agent based on ortho phosphoric acid. It is used to etch enamel and condition dentine in the context of adhesive filling therapy.

Specification

AT-20, AT-33, AT-35, AT-37

Composition

NANOFIL® Etchant Gel AT-37 (AT-20, AT-33, AT-35) contains 37% (20%, 33%, 35%) phosphoric acid. The product further contains thickening agents, pigments and water.

Indications

Enamel etching and enamel/dentine etching in the context of the total etch technique prior to the adhesive bonding of:

- Composite and compomer restorations
- Indirect restorations (e.g. inlays, crowns, bridges, veneers)
- Sealants

Contraindications

- Application to dentine close to the pulp (dentin layer less than 1 mm in thickness)
- Do not use in case of known hypersensitivity to Etchant Gel.

Side effects

This product or one of its components may in particular cases cause hypersensitive reactions.

Interactions

Liner and base materials, such as calcium hydroxide, may be dissolved by the acid, depending on their type and composition.

Warnings/Precautions

NANOFIL® Etchant Gel AT-20 contains 20% phosphoric acid and can cause irritation, Etchant Gel AT-33, AT-35, AT-37 contains 33%, 35%, 37% phosphoric acid respectively and can cause chemical burns. Etchant Gel may irritate eyes. Avoid contact with gingiva, skin, eyes or neighboring teeth. In case of contact with oral mucosa, rinse thoroughly with plenty of water. If swallowed, thoroughly rinse mouth with water and then drink plenty of water. Consult a physician. In case of contact with skin, thoroughly rinse with soap and water. In the event of contact with eyes, rinse thoroughly with water and seek medical advice. Wear suitable protective gloves. Avoid skin contact. Wear protective clothing. Wear safety glasses/face protection. Immediately remove clothing contaminated with NANOFIL® Etchant Gel.

- **Only to be used by dentists and for its intended use.**
- **Store out of reach of children.**
- **Only used before the expired date.**

Application

Prior to treatment, carefully clean tooth with fluoride-free polishing paste. The use of rubber dam is recommended.

Disposable brush and syringe needle should be used when we apply the Etchant Gel.

1. Starting from the beveled enamel areas, apply NANOFIL® Etchant Gel to the entire cavity surface, including the dentine. Ensure that the enamel is etched for at least 20 sec and no more than 30 sec, and that the dentine is conditioned for at least 15 sec and no more than 20 sec. When using AT-33, AT-35, AT-37, pay special attention to complying with the dwell time on the dentine. Reducing the time less than 15 sec in these areas is permissible to avoid over etching. If desired, only apply Etchant Gel to the enamel and let set for a maximum of 30 sec. Etch unprepared enamel, e.g. in case of fissure sealing, for at least 30 sec and no more than 60 sec. In case of fluoridated enamel, etching for no more than 60 sec may also be required.

Caution: In case of deep cavities, we recommend covering the dentine near the pulp with a calcium hydroxide preparation and a base (e.g. glass ionomer cement) prior to etching.

2. Use a water sprayer to completely rinse off Etchant Gel for 20 sec. The cavity must be completely free of any remnants.

3. Dry the cavity with oil-free air (do not dry out dentine!). The etched enamel surface should appear chalky white. In case of contamination of the tooth surface (e.g. with saliva), the etching must be repeated (for a maximum of 10 sec dwell time).

4. Perform further treatment with adhesive and composite in accordance with manufacturer directions.

5. In case of cross-infection, after used disposable items should be discarded in container designed for medical waste disposal.

6. Remaining etching gel may be discharged with waste water if highly diluted with water or neutralized.

Storage conditions

Store at temperatures below 25°C (77°F).

Expiration date and batch number

See note on syringe/package.

Warranty

3 years

Package specification

2.5mL/package, 2x2.5mL/package 50mL/package 5mL/package

Specific content see the note attached in the package.



AT&M Biomaterials Co., Ltd.

Building 1, Zhongguancun Science and Technology Park at Pinggu, Courtyard No. 46, Pingwang Street, Pinggu District, Beijing, China
Tel: +86-10-69778208 Email: info@atmbio.com
Website: www.atmbio.com

EC REP Lotus NL B.V.

Koningin Julianaplein 10, 1e Verd, 2595AA, The Hague, Netherlands.
Tel: +31644168999
Email: info@lotusnl.com

