FUSION BOND 5 / FUSION TOTAL ETCH BOND

PREVEST DenPro®
THE FUTURE OF DENTISTRY

Light Curing Total Etch
One Component Bonding Adhesive

Product Description : Fusion Bond 5 / Fusion Total Etch Bond is a light curing, single component bonding agent for use in combination with adhesive restorations. Fusion Bond 5 / Fusion Total Etch Bond adhesive was developed for bonding composites and compomers to the tooth structure as well as for bonding amalgams and indirect restorations (e.g., porcelain). It primes and bonds in one step. Prior to the application of Fusion Bond 5 / Fusion Total Etch Bond the tooth structure is conditioned with Actino Etch gel 37%.

Composition : Urethane Dimethacrylate, Triethylene Glycol Dimethacrylate, Bisphenol A Glycidyl Methacrylate, Primer, Photoinitiators, Stabilizer, Solvent.

Intended Purpose / Intended Use : It is used as an adhesive for the bonding of both direct and indirect restorations.

Indications for Use : 1. Adhesive for direct, light-curing and dual-curing composite and compomer restorations. **2.** Adhesive for light-initiated resin cements used in conjunction with indirect all-ceramic and composite restorations (inlays, onlays, veneers and full-coverage crowns).

Instructions for use : 1. Isolation : Rubber dam is the preferred method of isolation. **2. Cavity preparation :** Prepare cavity with minimal tooth reduction. Bevel cavo surface enamel margins. **3. Etching :** Apply etchant to enamel and dentin. Wait 15 seconds. Rinse for 10 seconds. Blot excess water using a cotton pellet or mini-sponge. The surface should appear glistening without pooling of water. **4. Adhesive :** Immediately after blotting, apply 2-3 consecutive coats of adhesive to etched enamel and dentin for 15 seconds with gentle agitation using a fully saturated applicator. Gently air thin for 5 seconds to evaporate solvents. Light cure for 20-30 seconds. **5. Restorative placement, cure and finishing :** Refer to manufacturer's instructions for placement, cure and finishing of restorative materials.

Instructions for Use :

Bonding porcelain veneers : 1. Silane treatment : Porcelain bonding surfaces should have been etched using hydrofluoric acid by the dental laboratory. Apply Ceramic Primer to the bonding surface of the veneer. Dry for 5 seconds. Clean the prepared teeth in preparation for seating and bonding using a plain pumice slurry. Rinse thoroughly and dry. **2.** Etching : Apply etchant to both enamel and dentin. Wait 15 seconds. Rinse for 10 seconds. Blot excess water using a cotton pellet or mini-sponge. The surface should appear glistening without pooling of water. An additional 15 second etch time may be appropriate for teeth that were not prepared using a diamond bur. Residual organic matter can also require additional etch time. **3.** Adhesive : Immediately after blotting, apply 2-3 consecutive coats of adhesive to etched enamel and dentin for 15 seconds with gentle agitation using a fully saturated applicator. Gently air thin for 5 seconds to evaporate solvents. Do not light cure. **4.** Adhesive application to veneer : Apply 1 coat of adhesive to the acid etched, silane treated veneer. Dry thoroughly. Do not light cure. **5.** Luting material application to veneer : Apply luting Cement to the bonding surface of veneer. **6.** Seating and curing : Carefully seat the veneer. Clean excess luting cement from the veneer margins. Cure each area of the veneer for times recommended by the luting cement manufacturer. We recommend curing the gingival margin first, followed by the body and the incisal margin. Avoid direct contact with the light-guide during initial curing. The dispensed material shall not be placed back in container and the dose once applied and used shall not be reused.

Warnings : Fusion Bond 5 / Fusion Total Etch Bond adhesive is an irritant. Contact with the skin, mucous membranes or eyes should be avoided. If case of skin contact, immediately wash with soap and water. If the material should come into contact with the eyes, immediately rinse with copious amounts of water for at least 15 minutes and consult a physician or ophthalmologist. In rare cases, contact with the skin may lead to a sensitization towards methacrylates. Commercial medical gloves do not provide protection against the sensitizing effects of methacrylate.

Precautionary Information for Patients : This product contains substances that may cause an allergic reaction by skin contact in certain individuals. Avoid use of this product in patients with known acrylate allergies. If prolonged contact with oral soft tissue occurs, flush with large amounts of water. If allergic reaction occurs, seek medical attention as needed, remove the product if necessary and discontinue future use of the product.

Precautionary Information for Dental Personnel : This product contains substances that may cause an allergic reaction by skin contact in certain individuals. To reduce the risk of allergic response, minimize exposure to these materials. In particular, avoid exposure to uncured product. If skin contact occurs, wash skin with soap and water. Use of protective gloves and a no-touch technique is recommended. Acrylates may penetrate in commonly used gloves. If product penetrate glove, remove and discard glove, wash hands immediately with soap and water and then re-glove. If allergic reaction occurs, seek medical attention as needed.

Contraindications : 1. Do not use Fusion Bond 5 / Fusion Total Etch Bond adhesive if a patient is known to be allergic to any of the material's ingredients or if the stipulated working technique cannot be used. **2.** Fusion Bond 5 / Fusion Total Etch Bond adhesive must not be used in conjunction with purely self curing composite materials. Dual-curing materials must be light activated. **3.** Do not use Fusion Bond 5 / Fusion Total Etch Bond adhesive for direct pulp capping.

Side effects : In rare cases, ingredients of Fusion Bond 5 / Fusion Total Etch Bond adhesive may cause sensitization. In these cases, the material should no longer be used.

Interactions : Materials containing eugenol or clove oil may inhibit the polymerization of Fusion Bond 5 / Fusion Total Etch Bond adhesive.

Storage Conditions : Store at temperature between 10°C(50°F) to 24°C(75°F). Close the cap carefully after use. Keep away from moisture. Shelf life not affected after opening if stored in a cool dry place.

Shelf Life : 3 years from the date of manufacturing.

Presentation :

Ref : 10003 **(Fusion Bond 5)**, Ref : 10003-1 **(Fusion Total Etch Bond)**

Intro Pack : 5ml Plastic Dropper Bottle in mono carton

Ref : 10004 **(Fusion Bond 5)**, Ref : 10004-1 **(Fusion Total Etch Bond)**

Economy Pack : 2 x 5ml Plastic Dropper Bottles, 40 x Micro Brushes

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

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UDI Symbol for "UNIQUE DEVICE IDENTIFIER"

LOT Symbol for "BATCH CODE" Symbol for "USE-BY DATE" Symbol for "NON STERILE" Symbol for "KEEP DRY"

Symbol for "CAUTION" Symbol for "CONSULT INSTRUCTION FOR USE" REF Symbol for "CATALOGUE NUMBER"

EC REP Symbol for "AUTHORIZED REPRESENTATIVE IN THE EUROPEAN COMMUNITY/EUROPEAN UNION

Symbol for "DO NOT USE IF PACKAGE IS DAMAGE" Symbol for "KEEP OUT OF THE REACH OF CHILDREN" Symbol for "MANUFACTURER"

Symbol for "TEMPERATURE LIMIT" Symbol for "KEEP AWAY FROM SUNLIGHT" MD Symbol for "MEDICAL DEVICE"

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. For feedback, complaint and reporting of unexpected events contact customer care.