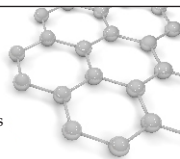


COMPOMAX

Nano Hybrid LC Anterior Posterior Composite



Methacrylate
Inorganic fillers
Initiators, Stabilizers and Pigments



PRODUCT DESCRIPTION

D Tech Compomax is a light curing Nano Hybrid Composite for anterior and posterior filling of all cavity classes. It is a light cured resin based dental restorative material. This system has enhanced color stability ; designed to accommodate 'Multi-shade layering' technique. This not only guarantees a natural and highly aesthetic filling , but also minimisation of polymerisation shrinkage. Compomax is used with a dentine enamel bond & is available in syringe.

INDICATION FOR USE

Enamel layer for class I, II, III, IV, V, VI, restorations.
Repairing veneers
Splinting & locking of periodontally involved teeth.
Core build up to replace missing tooth structure.
Composite inlays
Facetting of discolored anterior.
Reconstruction of traumatically damaged anteriors.
Composite & porcelain repairs.
Diastema closures.
To mask out discolored pulpal floor at the base of a preparation (opaque shades).

RECOMMENDED USAGE

1. Prior to preparation, clean the tooth, remove all cleaning residues with water spray. Determine the vita tooth shade. Use a rubberdam where possible.
2. Prepare the cavity according to the general rules of adhesive technology. Round off enamel edges and protect pulp areas.
3. Etch as required, according to your preferred technique, e.g etch plus. Follow the instructions for use the materials used.
4. Apply bond primer. (AQ Bond)
5. Apply a lining of thin flowing composite (compo Flow) or compomer as required. We recommend using a matrix.
6. Fill the cavity in the required shade in layers of maximum 2 mm thickness. Light-cure each layer for 40 seconds.
7. Surplus removal, contouring and fine shaping are carried out e.g. With a diamond finisher and flexible discs of decreasing grain size. High-gloss polishing can be carried out with a polishing paste using polishing cups/discs.

CONTRAINDICATIONS

The application of Compomax is contraindicated if drainage or the recommended application technique cannot be achieved. Do not apply directly on open pulp or if there are any known allergies against one of the components.

INTERACTION

Avoid materials containing eugenol, moisture & airborne oil that can prevent the polymerization of the contact area. Use of cationic mouth rinses, plaque revelators or chlorhexidine can cause discoloration.

TECHNICAL DATA

High compressive strength	
High flexural strength	
Depth of cure matches international standards	
Shelf life	2 years

SAFETY PRECAUTIONS:

Avoid contact with the skin; unpolymerized acrylate resins may cause skin sensitization in susceptible person. In case of contact, wash skin with soap & water. When using dental adhesives, saliva contamination will seriously compromise dentin bonding. Observe the processing instruction in the instruction for use include with the product and the precautionary measures under all circumstances.

PRODUCT PACKING:

1 x 4g syringe



4g NET
SYRINGE

CLASSIFICATION

Compomax - Dentistry , Polymer based restorative materials (EN ISO 4049)

STORAGE

Do not store above 25° C. Discharge syringes immediately after use to avoid the material curing from ambient light. Do not use after the expiry date.

CAUTION

Cross contamination: Product may contain items that are designed for one time use. Dispose of used or contaminated tips. Do not clean, disinfect or reuse. Light device should emit at 450nm & be regularly inspected. The light should be placed as close as possible to the filling material. Do not remove the oxygen inhibited layer as this is required for the bond with the next layer.

PROCESSING INSTRUCTIONS

Observe the processing instructions in the instructions for use included with the product and the precautionary measures under all circumstances. Should the patients still show an undesired reaction or if there are undesired effects, we ask for notification in every case, describing the concomitants as detailed as possible.

SIDE EFFECTS

No side effects are known to date. Hypersensitivity against components of the material cannot be excluded in every case. Avoid skin contact with paste. In the event of inadvertent contact, wash immediately with soap and water. In the event of eye contact, immediately rinse with plenty of water and seek medical treatment. If you experience any undesired effects, even in case of doubt, we ask for notification in every case, describing the concomitants and symptoms as detailed as possible.



For Professional use only in the practice of dentistry



Made in India



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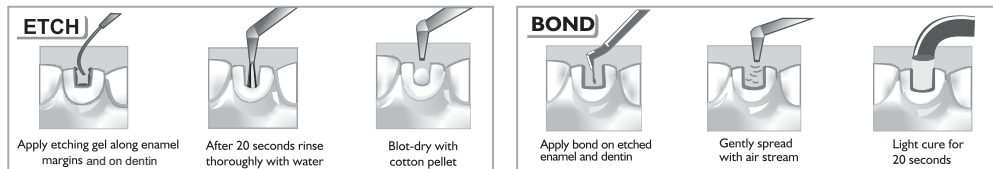
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d-tech

www.dtechasia.com



5th generation single step Light Cured bonding Agent



1 Product description

D Tech AQ Bond is a 5th generation, total etch, single step light cured bonding agent. AQ BOND has been developed for the adhesive bonding of plastic filling materials (e.g. composites, compomer) to dental substrate. With AQ Bond priming, bonding & desensitizing can be done in one step. Before using AQ Bond, the dental substance is conditioned with an etching gel (Etch & rinse). With its unique chemistry & its minimal and uniform film thickness, AQ Bond adhesives are designed to work with light cured composite material

Main Ingredients

Ethanol, Methacrylate monomer, fillers, Photoinitiator

2 INDICATION FOR USE

- 2.1. Direct light cured composite restoration
- 2.2. Treatment of hypersensitivity in teeth
- 2.3. Indirect restorative cementation
- 2.4. Direct veneering

3 CONTRAINDICATIONS

- 3.1. If dry working field cannot be established or the stipulated application technique cannot be applied.
- 3.2. If a patient is known to be allergic to methacrylate.
- 3.3. AQ Bond must not be used in conjunction with self curing composite material.

PRECAUTIONS (Please read carefully)

4.1 Safety

AQ Bond Total etch contains solvents which are flammable.

Contact with skin or mucous membranes may cause irritation. Prevent contact with skin, mucous membranes and eyes by taking precautions such as using a dental dam on the patient, wearing rubber gloves (dentist) and wearing safety glasses (patient & dentist). In case of contact with eyes, immediately rinse eyes with water for several minutes after contact. Seek ophthalmological medical attention if pain persists. Wash skin with water and soap after contact.

Avoid use of this product in patients with known acrylate/ methacrylate allergies.

Presence of eugenol impairs the setting of all light cured materials so please ensure that the prepared surface is fully free of eugenol.

4.2 Important notes

Single step AQ Bond will bond to RMGIC liner/ bases whether or not the ionomer was treated with etchant.

It is recommended that the surface be left moist after rinsing. Excess surface moisture should be removed by blotting.

Curing lights should be checked often for proper output using a reliable light measuring system.

4.3 Sensitivity prevention method

Some patients may experience transitory postoperative sensitivity. The risk of sensitivity can be minimized by the following measures:

4.3.1 Tooth Preparation

Remove minimal tooth structure. Use of proper isolation. Use of a rubber dam is highly recommended. Use adequate pulp protection. Use a glass ionomer or resin-modified glass ionomer liner/base in areas of deep excavation.

4.3.2 Adhesive Application

Use of compressed air is not recommended to remove pooled water remaining after the etch step—blot excess moisture from the preparation using a cotton pellet or mini-sponge. Apply adhesive immediately after blotting.

4.3.3 Restorative Placement

Place restorative material in increments, curing each increment separately. Adequately cure restorative according to instructions for shade and thickness of restorative and light exposure time. Adjust occlusion carefully.

5 APPLICATION METHOD

Direct Light Cure Composite Restoration

5.1 Isolation of the work area: The use of rubber dam is recommended.

5.2 Cleaning : Clean tooth with a prophylaxis-paste free from oil & fluoride.

5.3 Cavity preparation: Prepare cavity with minimal tooth reduction. Bevel cavity surface enamel margins.

5.4 Etching: Apply D tech Etchant to enamel and dentin. Wait 15 seconds. Rinse well. Blot excess water using a cotton pellet or mini-sponge. The surface should appear glistening & moist without pooling of water. Do not desiccate the surface as this can result in collapse of dentinal tubules and impair bonding strength.

5.5 Place Adhesive: Immediately after blotting, apply 2-3 consecutive coats of adhesive to etched enamel and dentin for 15 secs. with using a fully saturated fibered applicator. Gently air dry for five seconds to evaporate solvents. Light cure by use of Light curing unit (LCU) with below mentioned time.

20 sec - LCU with intensity min. 400- 500mW/cm²

10 sec - LCU with intensity min. 900-1200mW/cm²

Restorative placement : Place the restorative in 2mm increments, cure and complete the finishing: Refer to manufacturer's instructions for placement, cure and finishing of restorative materials.

6 Packaging and variants Net content 1 x 5 ml Black UV safe dropper bottle

7 Storage and handling AQ Single Step Bond System can be stored at room temperature but it is preferable to store in refrigerator particularly in tropical climate. AQ Single Step Bond adhesive should be capped immediately after use to minimize evaporation.



Limitations of Liability

Except where prohibited by law, D Tech will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract negligence or strict liability.

ETCHING GEL ●●

37% Phosphoric Acid Gel



www.dtechasia.com

**1. Product Description & Main Ingredients**

D-Tech Etching Gel is 37% phosphoric acid etchant for etching enamel and dentin.

The D-Tech Etch syringe facilitates controlled direct extrusion for faster procedures and easier access into difficult to reach areas.

Main Ingredients

Phosphoric acid, Water, thickener, colour

2. Indications

2.1 D - Tech ETCH contains phosphoric acid for etching tooth enamel and dentin when preparing surfaces for the application of composites before luting with resin cements or before bonding of orthodontic appliances.

3. Contraindications

3.1 No known contra indication exists for this product. No known systemic allergy is recorded. However, the practitioner is advised to observe the patient carefully for any signs of allergy.

4. Precautions (Please read carefully before use)

- 4.1 Avoid contact with oral tissue, eyes and skin. If accidental contact occurs wash with copious amounts of water. In case of eye contact, wash eye for 15 minutes and seek medical attention
- 4.2 When not in use keep the cap tightly sealed.
- 4.3 In rare cases the product may cause sensitivity in some people. If any such reactions are experienced, discontinue the use of the product and refer to a physician.
- 4.4 Ensure that the dispensing tip is firmly attached to the syringe by twisting the tip hub securely onto the syringe.
- 4.5 If ingested, give a large amount of water and seek medical help.
- 4.6 Avoid contact with eye or skin
- 4.7 Keep it away from reach of non - dental users including children, senior citizens and others.

5. Application Method

D - Tech Etch can be applied precisely in controlled amounts to the tooth enamel and dentin area to be etched.

5.1 The effective recommended Etching time is:

- Enamel - 20 to 30 seconds.
- Dentin - As indicated by the manufacturer of the bonding agent. The Gel Etch should then be rinsed off with copious quantities of water for at least 20 seconds.

5.2 Drying

- Enamel - Dry adequately until the surface has a frosty white appearance.
- Dentin - As indicated in the instruction for use of the bonding agent

6. Packaging & Variants

Syringe pack	1	Syringe of 3g Etching Gel XT
	1	Syringe of 12g Etching Gel XT
	2	Applicator tips
Bottle Pack		10g Etching Gel

7. Storage & Handling

Store at temperature of 5-25°C (41-77.0°F).
(Shelf life: 2 years from date of manufacture).

REFERENCE NO: IFU/EG/07/0222

**D Tech Dental Technologies**

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Limitation of Liability

Except where prohibited by law, D Tech will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability

For use only by a dental professional

**European Representative**

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