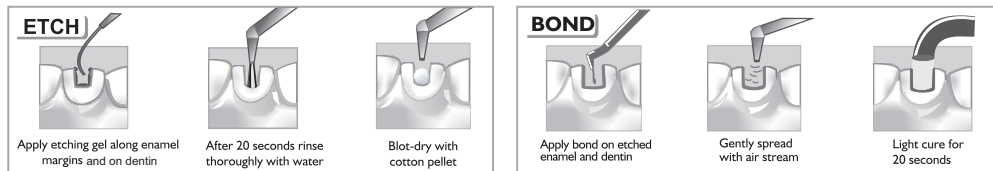




5th generation single step Light Cured bonding Agent



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.