



Quadrant Uni-1-Bond

Description

Quadrant Uni-1-Bond is a light curing, single component bonding agent for universal use in combination with adhesive restorations. **Quadrant Uni-1-Bond** primes and bonds in one step. **Quadrant Uni-1-Bond** is an ethanol-based formulation of light-activated, adhesive resins. Prior to the application of **Quadrant Uni-1-Bond** the tooth structure is conditioned with **Quadrant Total Etch**.

Composition

- Quadrant Total Etch** contains
- 20 percent phosphoric acid
- Quadrant Uni-1-Bond** contains
- Methacrylate
 - Ethanol
 - Photo initiators

Indications

- Bonding of composite filling material to enamel and dentin.
- Sealing hypersensitive areas of teeth.

Interactions with other materials

Do not use in combination with eugenol containing restoratives, as these impair the polymerisation.

Clinical procedure

1. Prepare the cavity according to the general directions for composite restorations. Clean and dry the preparation. The use of a rubber dam is recommended. When restoring exposed root surfaces, a preparation may not be necessary.
 2. Apply **Quadrant Total Etch** gel onto the enamel and dentin to be restored and leave for 15-30 seconds.
 3. Rinse **Quadrant Total Etch** gel thoroughly for at least 5 seconds and remove excess moisture from the preparation with a gentle stream of air.
- The best bonding effect is obtained when **Quadrant Uni-1-Bond** is applied to moist and shiny dentin. If you wish to visually verify that enamel etching has taken place, more intense drying of the cavity is necessary. The enamel surface will show frosted-white when sufficient etched. If this is the case, the entire preparation surface must be re-moistened with water (e.g. a damp pellet) prior to application of **Quadrant Uni-1-Bond**.
4. Apply **Quadrant Uni-1-Bond** immediately after having removed the excess water.
 5. Soak the applicator tip or a soft disposable brush in **Quadrant Uni-1-Bond** and apply a copious amount to the entire cavity surface.
 6. Apply two additional coats of **Quadrant Uni-1-Bond** and wait for 15 seconds.
 7. Gently spread **Quadrant Uni-1-Bond** with a gentle air stream to evaporate the solvent and excess moisture (approximately 2-5 seconds).
 8. If the cavity surface is not uniformly shiny after this step, apply additional coats of **Quadrant Uni-1-Bond** as described above.
 9. Light cure **Quadrant Uni-1-Bond** for 20 seconds with a standard light-curing unit.
 10. Place restorative material according to manufacturer's instructions.

Safety advice

- **Quadrant Total Etch** contains 20 percent phosphoric acid. **Quadrant Uni-1-Bond** contains methacrylate. Contact with eyes and skin may cause sensitisation. In case of accidental contact with skin or eyes immediately rinse with copious amounts of water and consult a physician if necessary. To prevent sensibility, contact with the skin should be avoided.
- **Quadrant Uni-1-Bond** contains ethanol. Ethanol is highly flammable. Keep **Quadrant Uni-1-Bond** away from sources of ignition. Do not smoke. Do not inhale the vapours.

Storage advice

Refrigerator storage is recommended. Do not use the material after the expiry date. Avoid storing in direct sunlight. Always close the container tightly after use to prevent volatiles. Keep out of reach of children.

Made in Germany.
For dental use only.

Packaging

Quadrant Uni-1-Bond: bottle light cured, single component bonding agent 4 ml.
Quadrant Total Etch: 2.5 ml syringe.

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Store below 25°C

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