

ENGLISH

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ProLinkTM Universal 8th Generation Adhesive

ProLink Universal is a light cure, one step universal adhesive used for cementation of direct and indirect restorations. Depending on the indication, ProLink Universal is used as self-etching or with phosphoric acid for selective enamel etching or total-etching procedures.

For use only by a dental professional in the recommended indications.

INDICATIONS

- Direct restorations using light-cured composite resin
- Cavity sealing as a pretreatment for indirect restorations
- Treatment of exposed root surfaces
- Treatment of hypersensitive teeth
- Intraoral repairs of fractured restorations
- Post cementation and core build-ups
- Cementation of inlays, onlays, crowns, bridges and veneers

CONTRAINDICATIONS

- Direct pulp capping. ProLink Universal should not be used with patients who develop hypersensitivity or have a history of hypersensitivity to methacrylate monomer.

Not to be used

- In combination with chemically cured composite resin.
- In combination with eugenol containing materials as eugenol may hinder ProLink Universal from setting or bonding properly.
- In combination with desensitizers as desensitizers may hinder ProLink Universal from setting or bonding properly.

ESSENTIAL INGREDIENTS

HEMA, Bis-GMA, MDP monomer, 4MET, coupling agent, Ethanol, Water, dl camphoroquinone, stabilizers

DIRECTIONS FOR USE

BONDING PROCEDURE

1. **Cavity preparation:** Prepare tooth using standard techniques. Make sure that the temporary material is thoroughly removed from the surface. Use rubber dam for protection. Rinse and dry the prepared tooth surfaces by gently blowing with an air syringe. Note: For pulp capping, use calcium hydroxide.

2. **Treatment of tooth surfaces:** Select out of the following 3 technique options:

a) **Self-etch technique:** Apply ProLink Universal to bur-cut enamel and dentin, without a separate etching step. Note: Non bur-cut enamel should always be treated with a ~40% phosphoric acid gel for 10 seconds, rinsed with water for 5 seconds & gently dried.

b) **Selective etching of enamel:** Prior to applying ProLink Universal to enamel and dentin, etch enamel only with ~40% phosphoric acid gel for 10-15 seconds, rinse for 5 seconds and gently dry.

c) **Total-etch technique:** Prior to applying ProLink Universal to enamel and dentin, etch enamel and dentin with ~40% phosphoric acid gel for 10-15 seconds, rinse for 5 seconds and gently dry.

3. Application of ProLink Universal

a) Prior to dispensing, shake the bottle of ProLink Universal thoroughly. Dispense a few drops into a clean dispensing dish. Close the cap immediately.

b) **Immediately** apply to the prepared enamel and dentin surfaces using the disposable applicator.

c) Leave undisturbed for 10 seconds after the end of application. ProLink Universal can provide sufficient bonding strength even when dried immediately after application without waiting time.

d) Dry thoroughly for 5 seconds with oil free air under maximum air pressure. Use vacuum suction to prevent splatter of the adhesive. The final result should be a thin adhesive film with a glossy surface and which does not visibly move under further air pressure.

Notes:

- When removing from refrigerator after long-term storage, allow ProLink Universal to stand at room temperature for several minutes prior to use.
- Apply ProLink Universal immediately as the material contains a volatile solvent.
- ProLink Universal is a light-cured material. Protect the liquid from light after dispensing.
- Remove excess material remaining on the tooth (other than the surfaces to be bonded) using a sponge or cotton pellet as residue material is hard to remove after light curing.
- Should the applied material be contaminated with water, blood or saliva prior to light curing, wash and dry the tooth and repeat the procedure by re-applying material.

4. Light Curing

Light cure using a visible light curing unit.

	Distance from light guide tip <10 mm	Distance from light guide tip >10 mm
Halogen/LED	10 seconds	20 seconds
High power LED	5 seconds	10 seconds

5a. Placement of Light-Cured Composites & Compomers

After having light-cured the adhesive, follow manufacturer's instructions for use in order to place, contour and light-cure the composite resin material of choice.

5b. Placement of Dual Cured Composites

After having light-cured the adhesive, make sure to light-cure the dual-cured composite material separately. Self-curing only will result in insufficient bonding strength.

6. Finishing

Adjust restoration, finish and polish using standard techniques.

REPAIR SITUATIONS

1. **Preparation of restoration:** Roughen the adherent surfaces using a diamond point. Use rubber dam for protection. Rinse and dry the prepared surfaces by blowing with an air syringe. If the restoration surface contains glass ceramics or hybrid ceramics treat those surfaces using a silane coupling agent prior to application of ProLink Universal.

2. **Treatment of tooth surfaces:** Select out of the following 3 technique options:

a) **Self-etch technique:** Apply ProLink Universal to bur-cut enamel and dentin, without a separate etching step. Note: Non bur-cut enamel should always be treated with a ~40% phosphoric acid gel (ProEtch recommended) for 10 seconds, rinsed with water for 5 seconds & gently dried.

b) **Selective etching of enamel:** Prior to applying ProLink Universal to enamel and dentin, etch enamel only with ~40% phosphoric acid gel for 10-15 seconds, rinse for 5 seconds and gently dry.

c) **Total-etch technique:** Prior to applying ProLink Universal to enamel and dentin, etch enamel and dentin with