

Alternative to Expensive Name Brands

ProLink Universal Universal Dental Adhesive



Positioning Statement

8th Generation - all in one universal bonding

ProLink Universal is a light-cure universal dental adhesive that combines etching, priming and bonding in one bottle. It is an Ethanol/water based adhesive engineered for use for both direct and indirect restoratives.

ProLink Universal is compatible with self or dual-cure composite and resin-based cements without an additional activator.

ProLink Universal offers the dentist more versatility and shortens chairtime.

- Can be used in different etching modes depending on the dental substrate and clinical condition
- Suitable for practically all clinical applications and adheres to numerous restorative materials (zirconia, lithium disilicate and metals)
- Can be used with self adhesive cements (ProLink Cem) to increase adhesion in cases of low retention
- Has high moisture tolerance with easy & stable adhesion
- Enhanced bonding strength to both deep and superficial dentin

The incorporation of 2 functional monomers : 10-MDP and 4-META enable strong chemical adhesion, enhanced durability and greater product stability.

10-MDP monomer provides:

- better adhesion performance to enamel
- self etching properties,
- greater product stability
- adhesion to metal and non-glass ceramic substrates,
- provides durability of adhesion; strong bond to apatite surfaces by formation of non-soluble Ca²⁺ salts

4MET Multifunctional polymer provides:

- dentin bond strength.
- reacts with apatite.
- improves the bond performance under varying humidity conditions and deep dentin

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Features & Benefits

Feature	Benefit	Key message
All in One / Single bottle	Saves time by eliminating etching, priming and bonding steps	Minimal technique sensitivity. Shortens clinical procedure and chair time.
Total Universality	Suitable for direct and indirect restoratives in all cure modes and any etching techniques	Offers compatibility and versatility.
Contains MDP and 4-MET	Forms a better double chemical adhesion	Enhanced durability and greater product stability.
Moisture and Humidity Tolerant	Improves the bond performance under variable humidity conditions and deep dentin	Easy and stable adhesion.
Low film thickness	<10 μ	Ensures stress-free seating of restoration and allows adhesive to readily flow into etched surfaces.
Low Acidity	2.8 Ph	Provides effective and consistent bonding leaving dentin tubuli closed to eliminate postoperative sensitivity.

Properties

Shear Bond Strength (MPa)	> 10MPa
Film Thickness	<10 μ
Acidity (pH)	2.8
Compatible with halogen light	Yes
Compatible with Plasma ark light lamp	Yes
Compatible with LED	Yes
Curing Time	5-20 seconds depending on light curing unit

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Competitive Information

Company	Brand	Info
Kuraray	CLEARFIL Universal Bond Quick	Bottle, 5ml \$ 150
Bisco	All-Bond Universal	Bottle 5ml \$ 120
GC	G-Premio BOND	Bottle, 5ml \$ 148

Selling Tips

- ProLink Universal **eliminates the need** for dental practice to have a stand-alone or zirconia primer in their inventory.
- **Compatible** with all to self or dual-cure composite and resin-based cements without a need for additional activator.
- **Versatile solution** – suitable for **all etching techniques**.

Additional features and advantages:

- ProLink Universal features a drop control **economical application** allowing precise drop dispensing and **less waste**.
- Contains 2 functional monomers to form a better double chemical adhesion: MDP monomer optimizes self-etch performance, increases shelf stability and provides durability of adhesion. 4-META monomer enhances dentin bond strength.

Clinical Tips

- Dispense immediately before use and recap tightly after use – it evaporates quickly

Related products:

ProFil composites (excluding ProFil Flow SE), ProEtch, ProLink Cem

Ref: 1503UN PROLINK Universal 3 ml
1505UN PROLINK Universal 5 ml

Retail Price: \$ 95

Download Product Images:

FAQ

What is a universal bonding agent?

Overall, universal adhesives offer a versatile and convenient option for dental practitioners, as they can simplify the bonding process and reduce the need for multiple types of adhesives.

Unbalanced mixtures of ingredients may lead to reduced bonding effectiveness, durability, shelf life, and to phase-separation reactions, while a well-thought-out formulation will be the key to long-term clinical success.

Even though most adhesives contain the same components, they may differ significantly considering the proportional amount of ingredients.

What makes ProLink Universal unique?

ProLink Universal composition includes : 10-MDP, 4-MET, 2-HEMA, BisGMA/ TEGDMA, MPTMS, NaF, colloidal silica, photoinitiators. Their main functions are:

- BisGMA/ TEGDMA Hydrophobic monomers Cross-linkers directly provide mechanical strength to the adhesive system, Higher flexibility of TEGDMA will result in adhesive with a higher conversion rate.
- Carboxylated Methacrylate monomers - Carboxylic acid functional polymer reacts with and bonds to hydroxyapatite. The presence of many carboxylic acid groups along a polymeric backbone/chain allows multiple bonds to the tooth surface.
- 4-META - a Phosphate monomer forms a strong bond to calcium in hydroxyapatite surfaces. Promotes adhesion to tooth surface by formation of non-soluble Ca²⁺ salts.
- 10MDP - (10-methacryloyloxydecyl dihydrogen phosphate) forms a strong chemical bond with the hydroxyapatite crystals remain available on the substrate after use of self etch approach on dentin. Contribute to product stability, The long carbonyl chain renders this monomer quite hydrophobic, hydrolysis stable, as water will be kept at a distance. This monomer is capable of forming strong ionic bonds with calcium of enamel or dentin, as opposed to 4-META

Does ProLink Universal need to be light cured?

Yes, ProLink Universal **must** be light cured.

What are ProLink Universal's Indications for Use?

ProLink Universal is suitable for use with all etching techniques and light, self or dual-cure materials. Bonds to dentin, enamel, metals, zirconia and lithium disilicate restorative materials. Procedures include:

- Direct restorations using light-curing composite restorative materials
- Bonding of core build-ups made of light-curing composite or core build-up materials
- Repair of composite or compomer fillings
- Adhesive cementation of indirect restorations with light- and dual-curing luting composites
- Sealing of prepared tooth surfaces before temporary / permanent cementation of indirect restorations
- Root surface desensitization, dentine protector properties
- Intraoral repair of composite restorations, porcelain fused to metal, and all-ceramic restorations without extra primer