

ProLink™ Cem

Self Adhesive Resin Cement

CE
0483

ProLink Cem is tailored to suit all indirect restorations. It features enhanced adhesive bond strength, easy clean up, excellent self-curing & self-etching ability. For use only by a dental professional in the recommended indications.

INDICATIONS: Adhesive cementation of all indirect restorations including:

- Ceramic, porcelain, composite inlays/onlays, veneers and crowns.
- All metal crowns, bridges, inlays/onlays including precious, semi-precious and non-precious metals.
- PFM (porcelain fused to metal) crowns and bridges.
- Prefabricated and cast posts.
- Resin-bonded retainer bridges (Maryland bridges).

CONTRAINDICATIONS:

ProLink Cem should not be used with patients who develop hypersensitivity or have a history of hypersensitivity to methacrylate monomer.

ESSENTIAL INGREDIENTS:

4MET, GPDM, proprietary self-curing activator, camphorquinone, barium glass filler, silanated silica, stabilizers, pigments

INSTRUCTIONS FOR USE:

Use a rubber dam to keep the restoration or preparation free of any contamination during cementation.

Before placing the mixing tip, check the two openings of the syringe to ensure that the pastes are at same level or bleed a small amount of pastes to ensure even flow from the syringe.

Precautions during Processing: Seat temporary restorations using a eugenol-free product. Use of temporary cements containing eugenol can inhibit the polymerization process of ProLink Cem during the final cementing. Do not use hydrogen peroxide (H₂O₂) as the residues can adversely affect the adhesive strength and setting reaction of ProLink Cem. For the best possible bond, do not treat the surface of Zirconia, aluminum oxide, or metal restorations with phosphoric acid.

Clinical procedures

Recommendations:

- * For more challenging clinical situations, e.g low retentive surfaces and veneers, consider using ProLink Cem together with ProLink Universal for enhanced adhesion.

Tooth Preparation

Preparation of the Cavity/Tooth Stump

- Prior to final cementation, clean the prepared stump or the cavity thoroughly with pumice slurry, rinse and dry.
- The cavity should be just dry enough that the surface has a slightly glossy appearance. (overdrying can lead to post-operative sensitivity)

Preparation of Root Canals

- Treat and clean the root canal
- Rinse immediately with water and dry. Use of a rubber dam is recommended during the cementation of posts.

Pre-treatment of Restorations

Follow the manufacturers instructions for use applicable to the restoration material being used (composite restorations, Glass fiber reinforced posts, Implant Abutments).

Recommendation:

Adherent surface	
Ceramic/porcelain	Etch restoration with HF 5% acid
Zirconia//Metal based restorations	Sandblast internal surface with alumina For stronger adhesion, apply ProLink Cem Primer.
a) lithium silicate or disilicate reinforced b) Leucite reinforced	No sand blast required for either. a) etch restoration with HF 5% for 20s b) etch restoration with HF 10% for 60s For both, apply suitable silane according to manufacturers instructions for use

Working Times

Processing and setting times depend on ambient and mouth temperature.

ProLink Cem is a dual-curing material and is therefore also sensitive to daylight and artificial light (such as operating lights). Processing times are significantly shortened when the product is applied under operating lights!

ProLink Cem is intended to be cured by a halogen or LED light with a minimum light intensity of 600mW/cm² and a light wavelength output of 400 - 520 nm range.

Working time:	2 mins 30 secs:
<i>Light-curing:</i>	
Single surface, from occlusal	20 secs
Any other surface, additional	20 secs
Posts, from occlusal	40 secs
<i>Self-curing:</i>	
Intraoral clean-up time after start of mixing	2 mins
Setting time	3.5 mins

Application instructions

To prevent premature setting of the cement during application, carry out all working steps in a continuous process without any interruption.

- Protect the work area against contamination with water, blood, saliva and sulcus fluid during application and setting.
- Evenly cover the entire cavity and as appropriate the bottom side of the inlay/onlay with the ProLink Cem or fill the crown with cement.
- Seat the restoration firmly till the cement to set fully.

Application in the Root Canal

- Spread cement on the post and place the post directly in the pre-treated root canal. It is recommended to rotate the post slightly during insertion to avoid the inclusion of air bubbles.
- Seat the post immediately, twisting it slightly, and apply moderate pressure to hold it in position.

Polymerization and Shaping

- We recommend light-curing the cement through the restoration when doing ceramic and composite work. Polymerize the cement through the post when using translucent posts. The exposure times depend on the translucence of the post being used.