



Prelude Self-Etch System

Prelude is a nanohybrid, light cured, self-etch or total-etch dental adhesive ideal for bonding to dentin, enamel, prepared canals, metal, porcelain and composite. Its low film thickness of 5 microns does not interfere with the fit of indirect restorations.

- Allows for ALL etching techniques: (Self-etch, Selective-etch & Total-etch)
- 10 second application time per bottle
- Use Prelude Link with dual-cure & self-cure composites and cements
- No post-operative sensitivity
- Less technique sensitivity
- High bond strength to uncut enamel
- Film thickness: 5µm
- Nano-filled, ethanolic based formula is highly stable (GPDM)
- High 5 min & 24 hr bond strengths.
- Does not adhere to metal matrix bands



Cem EZ is a dual-cure permanent dental resin cement for luting crowns, inlays, onlays, and posts. Cem EZ incorporates innovative curing technology, IntelliTek™, designed to provide excellent long-term color stability as well as compatibility with a wide variety of bonding agents (adhesives).

- Easy application
- Easy excess cement removal
- Radiopaque
- Long-term color stability
- Optimal esthetics
- Shades: Translucent, Warm, White Opaque
- Microleakage Protection
- Universal compatibility with modern, more acidic bonding agents

Direct Restoration Using Light-cured Composite



TOOTH PREPARATION:

- 1 Choose Etching Technique
a. Self-etch (go to step 3)
b. Selective-etch (go to step 2)
c. Total-etch (go to step 2, 4)
- 2 Apply **SureEtch Liquid** for 10 seconds. Wash and blot dry.
- 3 Apply **Prelude Primer** with a rubbing motion 10 seconds. Air dry to evaporate the solvent.
- 4 Apply **Prelude Adhesive** with a rubbing motion 10 seconds. Evaporate solvent with gentle air stream. Increase air pressure to thin adhesive.
- 5 Light-cure for 10 seconds.

COMPOSITE PLACEMENT:

- 6 Place flowable composite (**Accolade SRO**) on gingival floor, light-cure for 10 seconds. Continue with light-curing 2mm increments of flowable till desired fill or DEJ.
- 7 Place sculptable composite (**ZNano**) and light-cure.
- 8 Finish & Polish.

Bonding Accessories

SureEtch Liquid
37% phosphoric etching liquid that provides a fast reliable etch. Easy to wash.

S-Bond
Highly stable, prehydrolyzed silane.

Z-Bond
Zirconia primer for repairs or restorations also used for metal, and ceramics.

Direct Restoration Using Bulk EZ PLUS (Directed Shrinkage)



TOOTH PREPARATION:

- 1 Choose Etching Technique
a. Self-etch (go to step 3)
b. Selective-etch (go to step 2)
c. Total-etch (go to step 2, 4)
- 2 Apply **SureEtch Liquid** for 10 seconds. Wash and dry.
- 3 Apply **Prelude Primer** with a rubbing motion 10 seconds. Air dry to evaporate the solvent.
- 4 Apply **Prelude Adhesive** with a rubbing motion 10 seconds. Evaporate solvent with gentle air stream. Increase air pressure to thin adhesive.
- 5 Light-cure for 10 seconds.

! Prelude Link is not required. Bulk EZ PLUS contains a built-in activator.

COMPOSITE PLACEMENT:

- 6 Start by placing **Bulk EZ PLUS** in the deepest part of the box keeping the tip moving and embedded till the restoration is filled.
- ! Tip:** After restoration is filled use a Microbrush to drag the **Bulk EZ PLUS** towards the occlusal margin.
- 7 Allow the **Bulk EZ PLUS** to self-cure for 90 seconds from start of fill.
- 8 Light-cure for 10 seconds.
- 9 Finish & Polish.
- ! Capping Bulk EZ PLUS:** Fill restoration to desired height (DEJ). Wait the 90 seconds, **do not light-cure**, then proceed to cap with your favorite sculptable composite (**ZNano**)

Indirect Restoration Zirconia, Metal, Composite Cem EZ Resin Cement



SURFACE PREPARATION:

- 1 After try-in Sandblast restoration using 50 micron aluminum oxide in a **MicroEtcher**. Blow with air.
- 2 Apply **Z-Bond**, leave 30 seconds and evaporate the solvent with a gentle air stream for 5-10 seconds.

TOOTH PREPARATION:

- !** Metal or composite abutment Sandblast using a **Microetcher**. If tooth structure is present proceed with steps 3-6 and apply **Z-Bond** to the abutment.
- !** Sandblast using a **MicroEtcher** to clean tooth. Wash and dry.
- 3 If you wish to selective-etch the enamel margins apply **SureEtch Liquid** for 10 seconds. Wash and blot dry with brush.
- 4 Apply **Prelude Primer** with a rubbing motion 10 seconds. Air dry to evaporate the solvent.
- 5 Apply **Prelude Adhesive** with a rubbing motion 10 seconds. Evaporate solvent with gentle air stream. Increase air pressure to thin adhesive.
- 6 Light-cure for 10 seconds.

! Prelude Link is not required.

CEMENTATION:

- 7 Place **Cem EZ** in the restoration and seat.
- 8 Tack-cure for 2 to 5 seconds then remove excess with an explorer or scaler.
- 9 To protect the margins from oxygen inhibition, apply a layer of **Liquid Lens** immediately after removal of the excess cement.
- 10 Light cure each side for 20 sec.
- 11 Rinse off **Liquid Lens**.

Indirect Restoration Lithium Disilicate (e.max) Cem EZ Resin Cement



SURFACE PREPARATION:

- 1 After try-in apply **Ceram Etch 5% HF Acid** for 20 seconds. Wash and dry.
- 2 Apply **S-Bond** to a clean, dry surface. Dry with clean air.

TOOTH PREPARATION:

- !** Metal or composite abutment Sandblast using a **Microetcher**. If tooth structure is present proceed with steps 3-6 and apply **Z-Bond** to the abutment.
- !** Sandblast using a **MicroEtcher** to clean tooth. Wash and dry.
- 3 If you wish to selective-etch the enamel margins apply **SureEtch Liquid** for 10 seconds. Wash and blot dry with brush.
- 4 Apply **Prelude Primer** with a rubbing motion 10 seconds. Air dry to evaporate the solvent.
- 5 Apply **Prelude Adhesive** with a rubbing motion 10 seconds. Evaporate solvent with gentle air stream. Increase air pressure to thin adhesive.
- 6 Light-cure for 10 seconds.

! Prelude Link is not required.

CEMENTATION:

- 7 Place **Cem EZ** in the restoration and seat.
- 8 Tack-cure for 2 to 5 seconds then remove excess with an explorer or scaler.
- 9 To protect the margins from oxygen inhibition, apply a layer of **Liquid Lens** immediately after removal of the excess cement.
- 10 Light cure each side for 20 sec.
- 11 Rinse off **Liquid Lens**.

Core Build-up Using Rock Core or Bulk EZ PLUS



POST TREATMENT AFTER TRY-IN: (no post, skip to step 6)

- 1a Glass Fiber Post:** Apply **SureEtch Liquid** 5 seconds, rinse and dry. Apply **S-Bond** to a clean, dry surface. Dry with clean air.
- 1b Metal Post:** Sandblast post using a **MicroEtcher**. Blow with air. Apply **Z-Bond** leave 30 seconds and evaporate the solvent with a gentle air stream for 5-10 seconds.
- 1c Ice Post or IceLight Post:** Posts are super siltanted, wipe with ethyl alcohol wipes.

POST CEMENTATION:

- 2 If you wish to selective-etch the enamel margins and/or post canal apply **SureEtch Liquid** for 10 seconds. Rinse and air dry.
- 3 **Canal and occlusal surface:** Apply **Prelude Primer** 10 sec. Air dry. Mix **Prelude Adhesive + Link**, apply for 10 sec. Air dry to evaporate the solvent.
- 4 Inject **Rock Core, Bulk EZ PLUS** or **Cem EZ** in canal.
- 5 Insert the treated post into the canal. Light-cure for 10 seconds. Go to step 7

TOOTH PREPARATION:

- 6 If you wish to selective-etch the enamel margins apply **SureEtch Liquid** for 10 seconds. Rinse and air dry. Do not desiccate.
- 7 Apply **Prelude Primer** with a rubbing motion 10 seconds. Air dry to evaporate the solvent.
- 8 Apply **Prelude Adhesive** with a rubbing motion 10 seconds. Evaporate solvent with gentle air stream. Light-cure for 10 seconds.
- 9 Apply **Prelude Link** on the cured **Prelude Adhesive**. Evaporate solvent with air syr.

CORE BUILD-UP:

- !** **Bulk EZ PLUS** can also be used for core.
- 10 Place **Rock Core**, a matrix can be used to stabilize the paste or tack cure for 5 sec.
- 11 Light-cure for 40 seconds both lingual and buccal sides. Allow to self-cure for 5 minutes if thicker than 4mm.
- 12 After determining the paste is cured prepare the abutment.

Cervical Desensitization Class V



TOOTH SURFACE

! Self-etch primers (generally two step systems) may be used for desensitizing cervical areas. They do not require anesthesia for application so the result can be immediately tested.

- 1 Wipe area clean with gauze (avoid procedures that hurt)
- 2 Apply **Prelude Primer** with a rubbing motion 10 seconds. Air dry to evaporate the solvent.
- 3 Apply **Prelude Adhesive** with a rubbing motion 10 seconds. Evaporate solvent with gentle air stream. Increase air pressure to thin adhesive.
- 4 Light-cure for 10 seconds.

! The bond layer will stop sensitivity in nearly every case.

COMPOSITE PLACEMENT:

! If desired to fill in the contour, apply a microfill flowable composite. The composite functions only to re-contour. When applying the composite, apply to the gingival area first and cure it, then the incisal portion and cure it separately. This is known as decoupling, minimizing the stresses on the dentin bond.

- 5 Place flowable microfill composite (**Aria Flow**). Light-cure for 10 sec.
- 6 Finish and polish.

Broken Anterior Tooth Bonding a broken anterior tooth fragment



TOOTH SURFACE

! Do not sandblast or do any adjusting, it will modify the perfect fit. Cement and composite will not be used for luting. The thickness of the bond will be the luting cement. These steps should be done quickly.

- 1 Try-in for fit and position.
- 2 Wash and dry. (both sides)
- 3 Apply **Prelude Primer** to tooth and fragment with a rubbing motion 10 seconds. Air dry to evaporate the solvent.
- 4 Apply **Prelude Adhesive** to tooth and fragment with a rubbing motion 10 seconds. Evaporate solvent with gentle air stream.

5 Seat the treated tooth piece.

6 Light cure thoroughly.

7 If there is a chip or other defect, use a flowable microfill composite after re-attaching the fragment (**Aria Flow**). Light-cure for 10 sec.

8 Finish and polish.

Ceramic Repair Zirconia Repair 1



SURFACE PREPARATION:

1 Sandblast restoration using 50 micron aluminum oxide in a **MicroEtcher**. Blow with air.

! **Zirconia:** Apply **Z-Bond** leave 30 seconds and evaporate the solvent with a gentle air stream for 5-10 seconds. (go to step 4)

- 2 Apply **SureEtch Gel** for 5 sec. Wash and dry.
- 3 Apply **S-Bond** with a rubbing motion 5 seconds. Dry with mild air flow.
- 4 Apply **Prelude Adhesive** with a rubbing motion 10 seconds. Evaporate solvent with gentle air stream.
- 5 Light-cure for 10 seconds.

COMPOSITE PLACEMENT:

- 6 Place flowable composite (**Accolade, Z-Nano Flow or Bulk EZ PLUS**), light-cure for 10 seconds.
- 7 Place sculptable composite (**Z-Nano**) light-cure for 10 seconds.
- 8 Finish & Polish.

PFM Repair 1 Using aluminum oxide and Alloy Primer



SURFACE PREPARATION:

- 1 Sandblast restoration using 50 micron aluminum oxide in a **MicroEtcher**. Blow with air.
- 2 Apply **SureEtch Gel** for 5 sec. Wash and dry.
- 3 If metal is exposed apply **Alloy Primer** and air dry. Try to keep of ceramic.
- 4 Apply **S-Bond** with a rubbing motion 5 seconds. Dry with mild air flow.
- 5 Apply **Prelude Adhesive** with a rubbing motion 10 seconds. Evaporate solvent with gentle air stream.
- 6 Light-cure for 10 seconds.

COMPOSITE PLACEMENT:

- 7 Exposed metal; apply composite opaquer such as **Accolade OP Mask**. Light cure 30+ seconds.
- 8 Place flowable composite (**Accolade, Z-Nano Flow or Bulk EZ PLUS**), light-cure for 10 seconds.
- 9 Place sculptable composite (**Z-Nano**) light-cure for 10 seconds.
- 10 Finish & Polish.

PFM Repair 2 Zirconia Repair 2 Using SilJet



SURFACE PREPARATION:

! **SilJet** is a 30 micron silicating media comprised of encapsulated alumina that embeds silica into impacted inorganic surfaces. The metal becomes a porcelain surface. Great for mystery metal.

- 1 Affix the **SilJet Powder** to a **MicroEtcher**. Surface should be clean and dry.
- 2 Direct the **SilJet** powder stream perpendicularly onto the target surface from a distance from 5-10mm. Coat entire restorative surface evenly. Blasting time is usually 15 seconds.
- 3 Apply air for 5 seconds to remove residual powder.
- 4 Apply **S-Bond** with a rubbing motion 5 seconds. Dry with mild air flow.
- 5 Apply **Prelude Adhesive** with a rubbing motion 10 seconds. Evaporate solvent with gentle air stream.
- 6 Light-cure for 10 seconds.

COMPOSITE PLACEMENT:

- 7 Exposed metal; apply composite opaquer such as **Accolade OP Mask**. Light cure 30+ seconds.
- 8 Place flowable composite (**Accolade, Z-Nano Flow or Bulk EZ PLUS**), light-cure for 10 seconds.
- 9 Place sculptable composite (**Clearfil Majesty ES-2**) light-cure for 10 seconds.
- 10 Finish & Polish.

Bonding Failed Crown With post and core inside



SURFACE PREPARATION:

! Visually inspect the failure to avoid another. Many failures similar to these are because of weak adhesives/cements, compromised tooth structure, going beyond limitations or steps that were poorly executed during the bonding procedure. If tooth structure and the core in the crown is sound then continue with the following steps.

- 1 Try-in for fit and position.
- 2 Wash and dry. (both sides)
- 3 Sandblast the internal of the restoration (post, core and crown margin) and tooth using 50 micron aluminum oxide in a **MicroEtcher**. Blow with air.

! **Zirconia Crown:** Only apply **SureEtch Liquid** to tooth. Apply **Z-Bond** to entire crown, core material and post. Leave 30 seconds and evaporate the solvent with a gentle air stream for 5-10 seconds. (go to step 6)

4 Apply **SureEtch Liquid** to the tooth and crown for 5 seconds. Wash and dry. Also etch the post space.

- 5 Apply **S-Bond** to entire crown, core material and post with a rubbing motion 5 seconds. Dry with mild air flow.
- 6 Mix and apply **Prelude Adhesive + Link** to the tooth and crown with a rubbing motion 10 seconds. Air flow gently. Do not light cure.

CEMENTATION:

- ! For a loose post space or large void in crown use **Bulk EZ PLUS**.
- 7 Inject/apply **Cem EZ** or **Bulk EZ PLUS**
- 8 Seat the crown and remove excess cement with a small brush.
- 9 Maintain isolation for 5 minutes and/or light cure thoroughly.

Review all manufacturers instructions and precautions before using this cheat sheet.

Note:
Prelude Primer and Adhesive can replace Panavia F 2.0 ED Primers