Luting silica-based ceramics with PermaFlo® DC
(feldspathic porcelain, leucite-reinforced ceramic, lithium disilicate, and lithium silicate)

1. **Clean preparation, rinse, and dry**
   We recommend Consepsis® Scrub and STARbrush® to clean, disinfect, and remove residual temporary cement.

2. **Apply Ultradent® Porcelain Etch to prosthesis**
   Etch for 90 seconds, rinse, and dry. Lithium disilicate requires the same etching times as porcelain when using 9% hydrofluoric acid.*

3. **Apply phosphoric acid (Ultra-Etch®) to prosthesis**
   Clean for 5 seconds to remove porcelain salts and debris formed by hydrofluoric acid etching. Rinse and air dry. This step is recommended for glass-ceramic restorations but NOT for zirconia restorations, as phosphoric acid reduces bond strengths to zirconia.

4. **Apply a puddle coat of silane to prosthesis**
   Let sit for 1 minute, dry, and set prosthesis aside. Do not rinse.

5. **Apply Ultra-Etch to preparation**
   Etch for 20 seconds. Rinse thoroughly and leave damp.

6. **Apply a puddle coat of Peak® Universal Bond to preparation**
   Using the Inspiral® Brush tip, gently agitate the surface for 10 seconds. Thin/dry for 10 seconds using full air pressure. Preparation should appear shiny. Light cure with VALO® for 10 seconds.

7. **Express PermaFlo DC onto the inside bonding surface of the prosthesis.**
   The Intraoral tip (not shown) may be attached to the mixing tip for additional precision.

8. **Carefully position and seat the restoration.**
   Working time is approximately 2.5 minutes. Set time is 5-8 minutes.

9. **Optional: Light Cure**
   Apply DeOx around margins to prevent oxygen-inhibited layer, and light cure for 10 seconds with VALO.

10. **Remove excess cement**
    Use a carbide finishing bur or fine diamond bur to remove cement. Touch up with polishers, finishing strips, and floss. Final restoration is complete.

*Data on file, Ultradent R&D

**NOTE:** For cementing veneer restorations, Ultradent recommends PermaShade™ LC, a light-cured luting resin that features low shade shift and is used exclusively for veneers.