

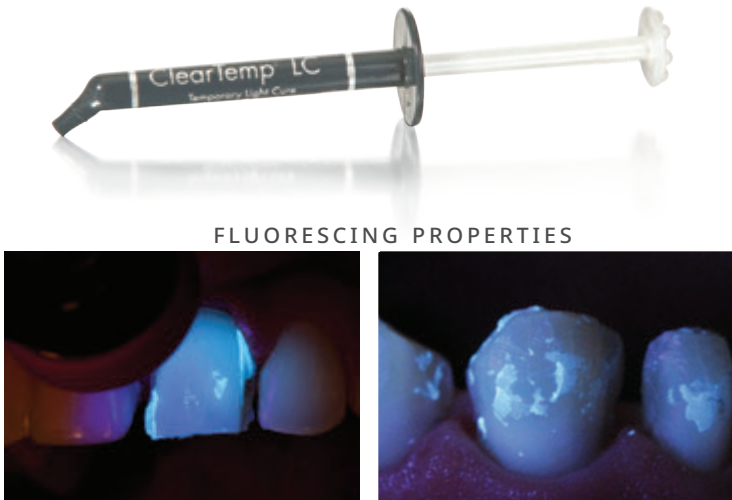
CLEARTEMP™ LC CEMENT

- Translucent shade is ideal for temporary anterior veneers
- Light-cured resin formula provides a quality seal and exceptional retention
- Fluoresces under a black light to facilitate complete removal



Today's provisionals look more natural than ever. ClearTemp LC cement helps to create a short-term smile that patients will be proud to reveal.

A traditional temporary cement shows through the provisional crown on #8. ClearTemp LC cement does not show through the provisional veneer on #9.

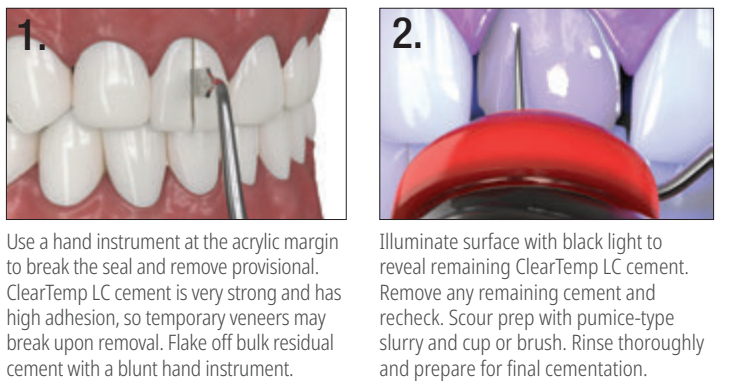
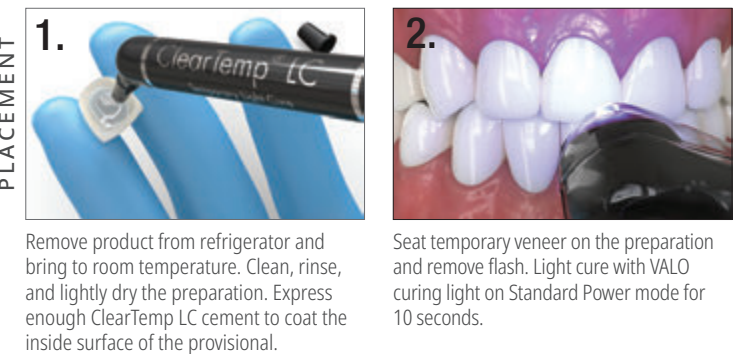


ClearTemp LC cement fluoresces under black light for easy detection. Use a black light to ensure complete removal of ClearTemp LC cement. This is an important step that minimizes potential to damage final restoration. Use the VALO™ Black Light Lens attachment or UltraSeal™ XT hydro Black Light Keychain for high visibility.

Note: Always use the VALO curing light with the barrier sleeves during procedure.

Note: Due to its high bond strength compared to other temporary cements, ClearTemp LC temporary veneer cement should be used for temporary veneers ONLY and never for temporization of permanent restorations, full coverage crowns, inlays, or onlays.

CLEARTEMP™ LC CEMENT INSTRUCTIONS



PermaShade™ LC • ClearTemp™ LC



Picture Perfect Veneers
from Temporary to Permanent

Together as a system, **ClearTemp LC** cement and **PermaShade LC** resin give you everything you need to create beautiful veneers, whether they are temporary or permanent. For luting temporary veneers, ClearTemp LC cement provides a natural look and strong hold. For permanent veneers, PermaShade LC resin provides easy handling and low shrinkage¹.

- | | | |
|---|---|--|
| 3518 - ClearTemp LC Syringe 4pk
4 - 0.67 g syringes | 3517 - PermaShade LC Veneer Cement Kit
4 - 0.95 g Translucent syringes
3 - 0.95 g A2 syringes
3 - 0.95 g B1 syringes
3 - 0.95 g Opaque White syringes
1 - 1.2 ml Ultra-Etch syringe | PermaShade LC Veneer Cement Syringe 4pk
5227 - Translucent
5228 - Opaque White
5229 - A2
5230 - B1
4 - 0.95 g syringes |
| | 2 - 1.2 ml Peak Universal Bond syringes
1 - 1.2 ml Porcelain Etch syringe
1 - 1.2 ml Silane syringe
20 - Blue Micro tips
20 - Black Mini Brush tips
60 - Inspirial Brush tips | |

PERMASHADE™ LC LUTING RESIN

- Can be used for porcelain, zirconia, composite, and other indirect veneers
- Available in four VITA™† shade options: Translucent, Opaque White, A2, and B1
- Medium viscosity keeps veneer from drifting once seated
- Upon curing, low shrinkage stress prevents strain on the veneer¹



INSTRUCTIONS

Note: Verify flow of all syringes before use.

Remove PermaShade™ LC resin from refrigerator and bring to room temperature before use. If prep is in dentin, clean preparation, rinse and dry (use Consepsis™ Scrub slurry with a STARbrush™ brush to clean, disinfect, and remove residual cement). Verify prosthetic fit. Prepare inside surface of prosthesis:

Ceramic/porcelain:

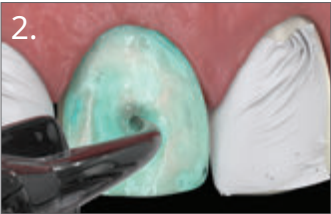
- Apply hydrofluoric acid (Ultradent™ Porcelain Etch with Inspiral™ Brush Tip) to inside surface of prosthesis for 90 seconds, rinse and dry.
- Apply phosphoric acid (Ultra-Etch™ etchant with Blue Micro™ Tip) for 5 seconds to remove porcelain salts and debris formed by hydrofluoric acid etching. Rinse and dry.
- Apply silane (Ultradent™ Silane with Black Mini™ Brush Tip) to inside surface of prosthesis for 60 seconds, dry and set prosthesis aside. Do not rinse.

Zirconia veneers:

- Do not use hydrofluoric acid or silane.
- Sandblast with 50 micron aluminum oxide at 50–80 PSI. Blow off residual particles with air only—do not rinse. Apply a zirconia primer (Peak™-ZM primer with Black Mini Brush Tip) to inside surface of prosthesis for 3 seconds. Air thin/dry for 3 seconds using full pressure.



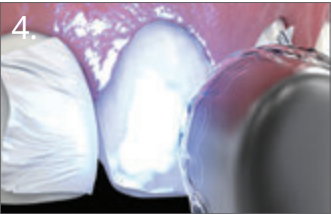
1. Apply phosphoric acid (Ultra-Etch etchant with the Blue Micro Tip) to all surfaces of tooth preparation for 15 seconds. Rinse thoroughly and leave damp.



2. Apply Consepsis solution with Black Mini Brush Tip to preparation. Suction excess off and leave surface slightly damp.



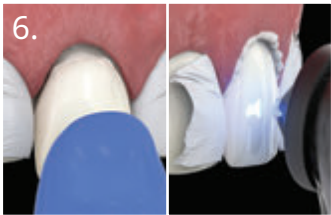
3. Apply a puddle coat of Peak™ Universal Bond adhesive with Inspiral Brush Tip – scrub into dentin or paint onto enamel. Thin/dry 10 seconds using full air pressure. Preparation should appear shiny.



4. Light cure with VALO™ curing light on Standard Power mode for 10 seconds.



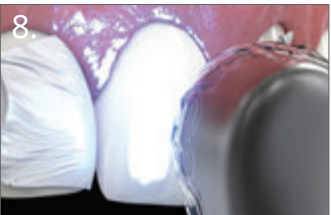
5. Express a thin layer of the PermaShade LC resin onto the inside bonding surface of the veneer only, not on the prepared tooth.



6. Carefully position and seat the veneer using gentle pressure. Tack with curing light (VALO curing light with PointCure™ lens) for 3 seconds to avoid shifting.



7. Clean the excess cement from margins. Optional: Apply DeOx™ oxygen barrier solution around margins to prevent oxygen inhibition layer.



8. Remove PointCure lens and light cure with VALO curing light on Standard Power mode for 10 seconds.

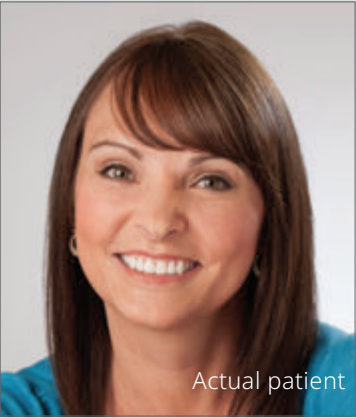
TECHNICAL DATA¹

Shear bond strength to enamel*	45.78 MPa
Shear bond strength to dentin*	51.04 MPa
Compressive strength and modulus	368.74 MPa / 4.15 GPa
Flexural strength and modulus	92.98 MPa / 8.23 GPa
Shrinkage	3.74%
Film thickness²	48 µm
Hardness	37.3 HK
Radiopacity	2.00 mm Al
Depth of cure (20 sec)	6.00 mm

CLINICAL CASE



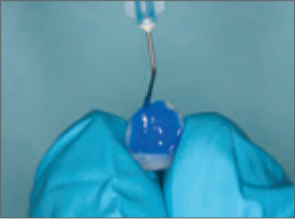
Patient with four existing anterior composites and large diastema. Received six anterior A1 porcelain veneers (#6–#11) cemented with PermaShade LC resin Translucent shade.



CLINICAL TIPS



Unique and ergonomic contra-angle syringe allows for precise, controlled delivery. For optimal handling, bring to room temperature before use.



One in 10 porcelain veneers debond due to contamination, buildup of porcelain salts, and a poor quality bond. Cleaning the porcelain veneer surface is the most important step to prevent debonding. Remove salts and debris formed by hydrofluoric acid etching by applying phosphoric acid (Ultra-Etch etchant) to the surface for five seconds. Rinse and air dry before applying a puddle coat of Silane.



Use Teflon®† tape to isolate teeth before bonding. This prevents excess PermaShade LC resin from curing onto the surrounding teeth, reducing the need for additional cleanup.



Do not pull back on syringe stem after expressing product; doing so produces an air bubble within the syringe which can cause leakage and deterioration of the product.

1. Data on file. 2. Data on file. *With Peak Universal Bond adhesive. †Registered trademark of a company other than Ultradent.