VinciSmile®

TopCEM Veneer Solution

Veneer Cementation System

For cementation of veneer made from porcelain/ceramic and composites.

- Versatile and Flexible Solution
- Impressive Natural Results
- Excellent Color Stability

HUGE DENTAL USA LLC
Web: www.hugedentalusa.com
Add: 4010 Valley Blvd STE 104, Walnut, CA 91789, USA
Email: info@hugedentalusa.com Tel: +1 626 283 5808

Follow @HUGE Dental USA

Veneers are a leading solution in modern dentistry, offering patients a durable, aesthetically pleasing smile. Their success depends not only on precision craftsmanship but also on expert cementation.

A well-structured protocol is essential for long-lasting results, as even minor errors in material selection, positioning, or multi-unit handling can compromise outcomes.

VinciSmile offers a comprehensive veneer restorative system, streamlining the cementation process for effortless, predictable, and durable results—ensuring patient satisfaction with every smile transformation.

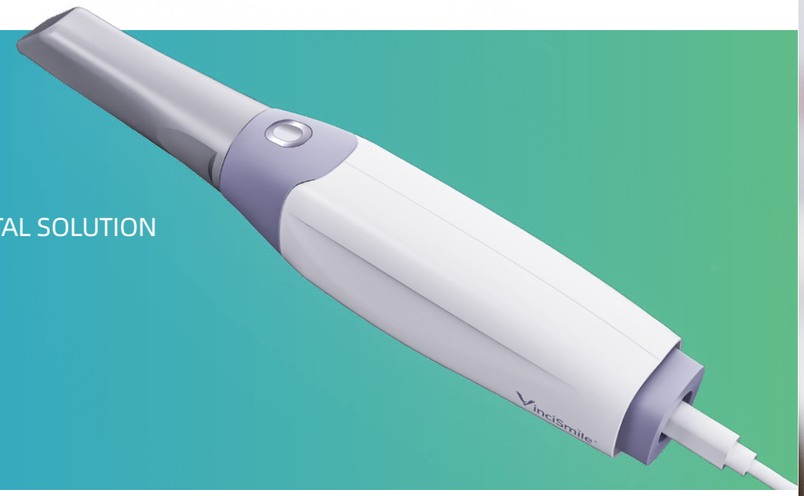
VinciSmile TopCEM Veneer Solution

1. Dental Impression
2. Restoration Selection
3. Veneer Try-in
4. Pre-treatment
5. Cementation
6. Protection

Impression taking, as the very first step in indirect restorative workflow, holds the key to a successful restoration result. As digital dentistry is underway, digital scanning is the better choice for clinicians.
Digital denture workflows offer benefits from digital scanning accuracy, which enables technicians to create dentures with better fit and retention.
Intraoral scanning, as the very first step in full digital workflow, helps improve patient care and takes dental clinics to the next level.

i-Vinci X Intraoral Scanner

SUPERIOR CHOICE FOR DIGITAL DENTAL SOLUTION



i-Vinci Software Highlights

·Undercut area analysis ·Align
·Distance calculation · Lock area

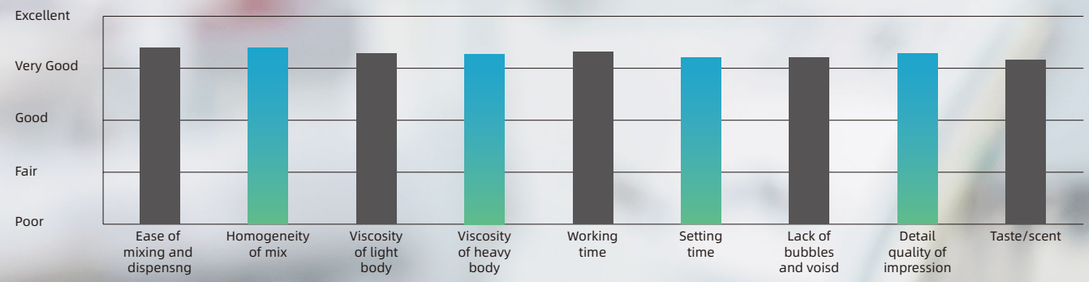
- AI-enabled Scanning: supports high-precision 3D modeling, accurately restores oral structure, and improves scanning efficiency and accuracy.
- Intelligent operation: built-in AI algorithm, automatically identifies structures such as teeth and gums, and reduces manual operations.
- Automatic model refining: automatically refines missing or incomplete areas during scanning to ensure data integrity.
- AI health report: AI technology generates oral health reports, automatically analyzes caries, periodontal, occlusal problems, etc., and helps formulate personalized treatment plans.
- Model editing: Powerful digital model editing function helps doctors easily adjust, edit and optimize scan data.
- Orthodontic simulation: Visualize treatment results through digital orthodontic simulation, help patients and doctors participate in decision-making together, and enhance treatment confidence.

PERFIT VPS Impression Materials.

Professional precision for all indications.

- Available in 4 viscosities: Heavy, Regular, Light, and Putty
- Available in 2 curing speeds: Fast set, Normal set
- Used to make final impressions for all indirect restorative procedures, including: crown, bridge, inlays and onlays, implantology, orthodontics, removable appliances

Evaluation Summary:



*Data from VinciSmile Lab

Glass Ceramic

- 99.9% extra pure, bio-grade raw materials from natural minerals
- One-step forming technology, elminating surface defects
- Optical grade precise heat-treatment for nucleation and crystalization
- Fluorescence and opalescence that minic real teeth appearance

Features

Vaneer · *Inlay* · *Onlay*

Anterior crown · *Posterior crown* · *Anterior 3-unit bridge*

Translucency and shade:

HT	0M1-0M3+	A1-A4	B1-B4	C1-C4	D2-D4
MT	0M1-0M3+	A1-A3			
LT	0M1-0M3+	A1-A4	B1-B4	C1-C4	D2-D4

Size: C14 / B40

Amber Aesthetic enhancement

HT	BL1	BL1	BL2

Size: C14

360MPa

Direct Mill Resin free, sintering free

HT	A1-A3.5,B1-B2,C1, D2,OM1-OM3+
MT	OM1-OM3
LT	A1-A3.5,B1-B2,C1, D2,OM1-OM3+

Size: C14

280MPa

Implant Implant blocks for chairside system

HT	OM1-OM3+,A1-A4, B1-B4,C1-C4,D2-D4
MT	OM1-OM3+,A1-A3
LT	OM1-OM3+,A1-A4, B1-B4,C1-C4,D2-D4

Size: A16L

420MPa

Pressing Raw material purified, edge integrity

HT	OM1-OM3+,A1-A4, B1-B4,C1-C4,D2-D4
LT	OM1-OM3+,A1-A4, B1-B4,C1-C4,D2-D4

380MPa

- NOBILCAM offers different types of zirconia discs to cover every dental applications from veneers to long-span bridges.

NOBILCAM Zirconia Blocks are a high-performance dental material for making crowns and bridges. It is durable, strong and bio-compatible, making it an ideal choice for dental restorations.

Indications

Venners	*Inlays&onlays*	*Coping& abutment*	*Anatomically reduced crowns*	*Full anatomy anterior crown*
Anterior dental bridge (less than 3 units)	*Full anatomy posterior crown*	*Poterior 3-unit bridge*	*Poterior 3-unit to multi-unit bridge*	*Full-arch bridge*

Veneers Try-in: Discover the ideal fit

Before final cementation, veneers must be tried in to ensure proper fit and esthetics. Key evaluations include:

- ✓ *Preparation margin accuracy*
- ✓ *Contact point positioning*
- ✓ *Occlusal contacts in intercuspation, protrusion, and lateral movements*

A try-in paste, matching the final luting cement, is used to assess shade, as cement color affects the veneer's final appearance and biomimetic integration.

TopCEM Try-in Veneer Try-in Gel

- Water-soluble: Easily removed with a water rinse.
- Optimal viscosity: Perfect for ensuring the correct positioning of the indirect restoration during shade selection.

A thorough try-in is essential to verify fit, shade, and esthetics before final cementation. Try-in pastes allow clinicians to simulate the final outcome and make necessary adjustments. The veneer should be carefully positioned to assess marginal adaptation, contour, and shade under different lighting conditions. Water-soluble try-in pastes matching the final cement are recommended. Once an optimal fit is confirmed, the veneer must be cleaned to prevent contamination. A precise try-in process enhances clinical confidence and treatment success

Pretreatment of the inner surface

Proper veneer cementation begins with surface pretreatment, the goal is to optimize bonding by microscopically roughening the inner surface while preserving the polished vestibular surface.

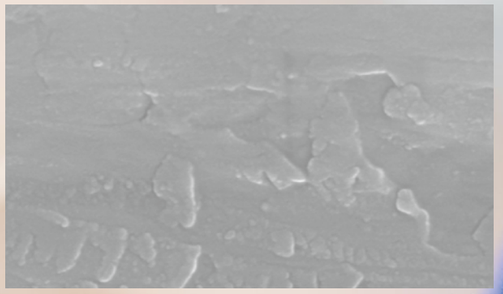
· Glass-matrix ceramics (e.g., lithium disilicate, feldspathic ceramic) require hydrofluoric acid etching to expose the crystalline structure, followed by silane application for chemical bonding.

· Zirconia, being non-vitreous, undergoes tribochemical sandblasting with silica-coated aluminum particles (1.8–2.8 bar) and MDP-containing primer.

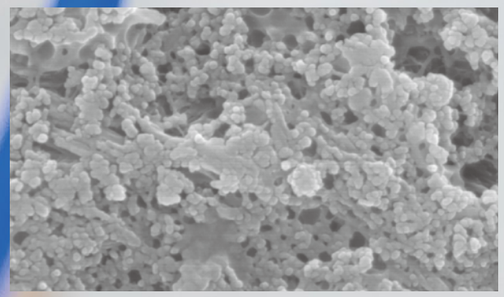
· Composite veneers benefit from aluminum oxide sandblasting, ensuring optimal adhesion.

HF-Etchant Hydrofluoric Acid Etching Gel, used for etching

pre-treatment of restoration made of glass ceramics to enhance mechanical interlocking force.



Polishing Surface of Glass Ceramics



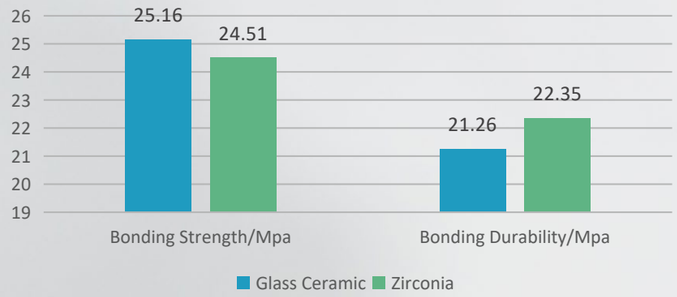
Surface of Glass Ceramics after etching

TopCEM Ceramic Primer Ceramic Coupling Agent

Serves as priming agent and is used to create a durable adhesion between luting composite and glass/oxide ceramic,metal and fiber-reinforced composite restorations.

· A Universal primer for conditioning all common restorative materials.

· Around **25Mpa*** bonding strength to Glass Ceramic and Zirconia.



Isolation and etching techniques

Proper tooth surface preparation is critical to achieving strong and durable veneer adhesion. The process begins with thorough cleaning to remove biofilm and debris. The tooth must then be dried completely, but not desiccated, to maintain dentin moisture for optimal bonding. Selective etching with 37% phosphoric acid is recommended. The etched enamel should appear frosted white, indicating effective demineralization. After rinsing thoroughly with water, the surface must be gently air-dried and primed using a suitable bonding agent. Standardized protocols for tooth preparation help ensure consistent clinical results, reducing the risk of debonding or post-operative sensitivity.

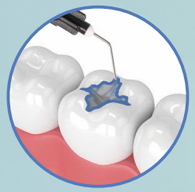
P-Etchant Phosphoric Acid Etching Gel

37% concentration for strong bond

- Eliminate the surface dirt and fouling from enamel and dentin
- Roughen the enamel and dentin surface effectively.
- Consistent material thickness ensures simple and effective application
- Ideal viscosity, which makes precision placement easier and superior control.

Etching Techniques

Self-etch
(No phosphoric acid)



Selective etch
(Phosphoric acid on enamel only)

Total etch
(Phosphoric acid on enamel and dentin)

Adhesive offers additional strong bonds to the final direct restoration. There are too many options to choose, but universal adhesive is the top recommendation.

Simple, Efficient, Versatile.....

HugeBond Universal is the latest innovation with one-bottle technique and highly reliable bonding strength. With no need of a separate primer or complicated bonding process, universal adhesive maximizes efficiency in practice by offering stronger and long-lasting bonding result, and is widely used in both direct and indirect restorations.

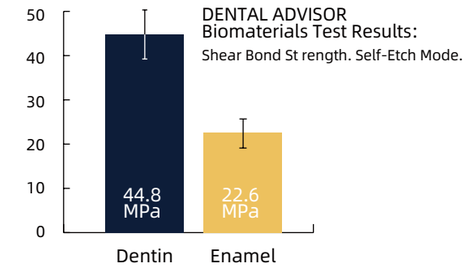
DENTAL ADVISOR ++++

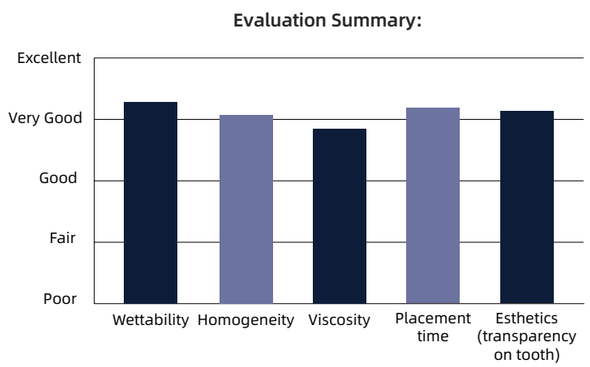
27 CLINICAL EVALUATORS
660 TOTAL USES
86% CLINICAL RATING

HugeBond Universal Technical Parameters		
Bonding Strength	Self-etched dentin/MPa	30.4
	Self-etched enamel/MPa	25.4
	Etched enamel/MPa	30.3
pH		2.7
Film thickness		<3μm

New Flip-Open cap design for single-hand operation.

Special nozzle design for accurate amount control.





*Data from Dental Advisor

HugeBond Universal FliPro

MDP monomer | Single component | 8th genertaion

Used in self-etch, total-etch and selective-etch procedures

- Compatible with light-cured, dual-cured, and self-cured cements
- Reliable bonding in both direct and indirect restorations
- Formulated with MDP monomer that enhances chemical adhesion to direct and indirect restorations, such as dentin, enamel; composite, metal, and zirconia, etc.

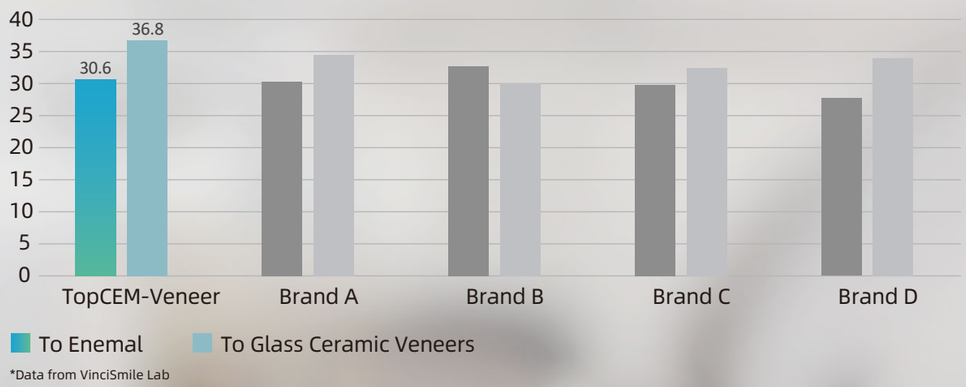
Final cementation: Embrace innovation

The final bonding stage is crucial for veneer stability and esthetic success. Light-curing resin cements offer superior bond strength, color stability, and extended working time. Precise cement application ensures gap-free adhesion and uniform shade matching. The veneer is seated with controlled pressure, excess cement is removed, and final curing is performed using high-intensity LED light. Post-cementation polishing and occlusal adjustments ensure a smooth finish and long-term durability, guaranteeing predictable and esthetically pleasing results.

TopCEM Veneer Cement delivers exceptional esthetics in an easy-to-use, light-cure-only formula, ensuring long-lasting adhesion to dentin and enamel for a wide range of porcelain and composite veneers. Featuring our customer-preferred shading system, which includes **TopCEM Try-in Gel**, it allows for precise color matching, helping you achieve highly aesthetic results for your patients

Technical Parameters

Bonding Strength/ Mpa



*Data from VinciSmile Lab

Final cementation: Embrace innovation

All for optimal outcomes

Natural Results

· Light-cure-only system provides excellent color stability.

· Proven shade stability for long-lasting natural results.

· Good wear resistance and margin quality.

Flexibility

· 5 shades and 3 opacity options, satisfy all needs of natural look, high translucency and shades covering

· Good flow behaviour with stability,easy to dispense and apply from the syringe.

· Excess material could be readily removed.

Reliable Bonding Results

· Flexural Strength 117MPa*

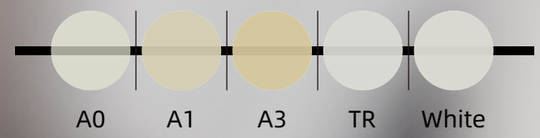
· Bonding Strength 36.8MPa*

· Film Thickness 11μm*

· High radiopacity over 400%*

*Data form VinciSmile lab.

117 MPa*
Flexural Strength

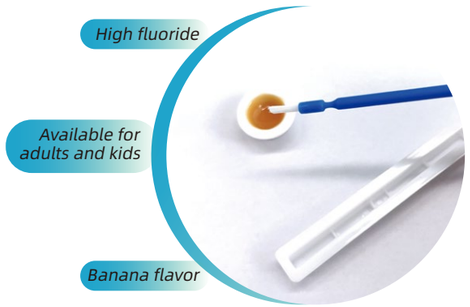


Pro Shield

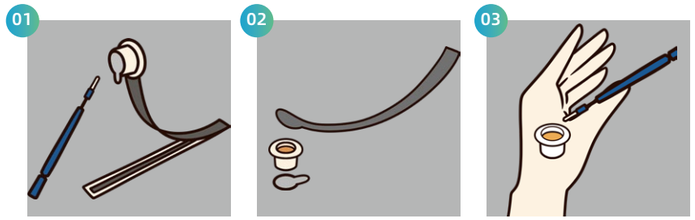
– Safe, Reliable, and Convenient Fluoride Protection

What Makes Pro Shield a Smarter Choice?

·Stable and long-lasting fluoride release — 22,600 ppm fluoride
·Relieves hypersensitivity
·Easy to apply, no drying needed
·Hexane-free formulation ensures safety
·Pleasant fruit flavor improves patient experience
·Unique packaging design facilitates clinical operation
·Light yellow color from natural resin provides visual control



How to Use the Unit-dose Packaging?

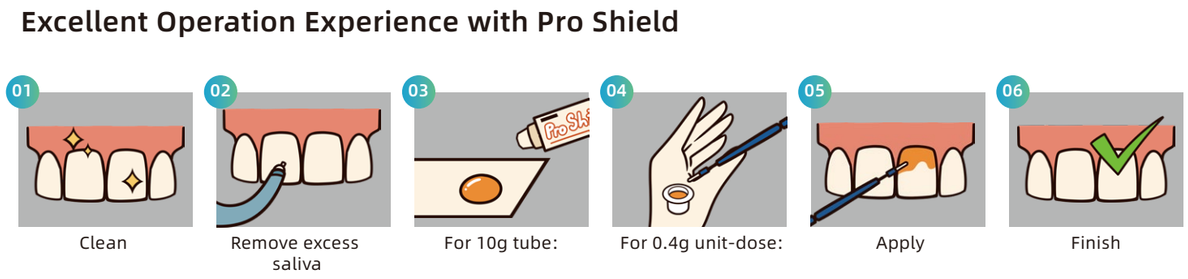


1. Peel off the sealing film of the applicator brush and take it out
2. Peel off the varnish sealing film and the bottom release film.
3. Stick the varnish container in a convenient position

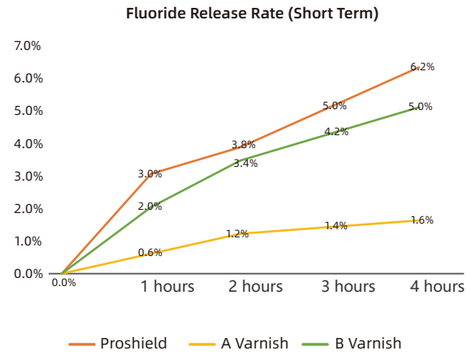
Packaging

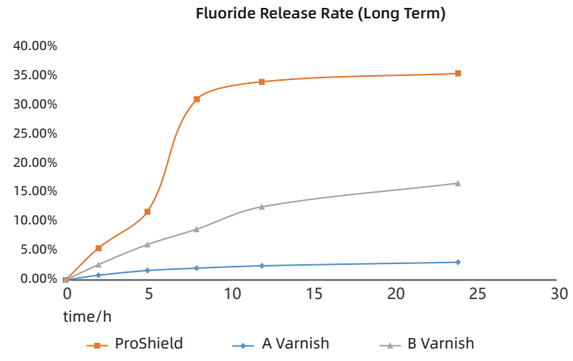
- 10g/tube - 0.4g*50/box

Excellent Operation Experience with Pro Shield



High Fluoride Release capability suitable for Kids and Adults





*Data from VinciSmile Lab

Clinical application suggestions:

1. Recommended dosage:

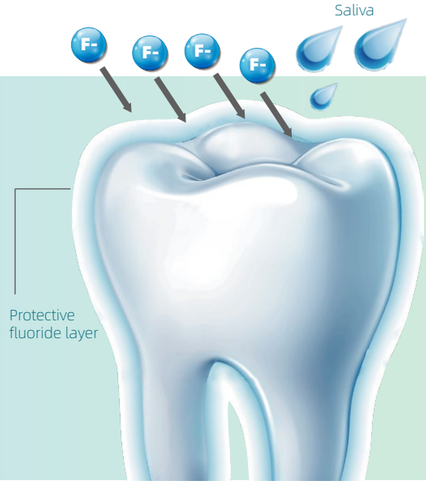
Deciduous dentition ≤0.25g (5.65mg fluoride)
Mixed dentition ≤0.4g (9.04mg fluoride)
Permanent dentition ≤0.75g (16.95mg fluoride)

2. Frequency of use:

Use once every **3-6 months.**

3. Precautions after use:

After using this product, do not brush the teeth, chew food, or drink hot drinks and alcoholic products (beverages, mouthwash, etc.) within **4 hours.**



TopCEM Veneer System

Veneer Cementation Solution

Indication

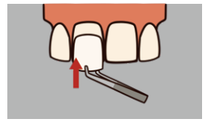
TopCEM Veneer System is designed for permanent cementation of veneer made from materials of porcelain/ceramic and composites.

Packaging

6ml*1 bottle	HugeBond Universal FliPro Light Cure Dental Adhesive
2.5g*5 syringes	TopCEM-Veneer Light Cure Veneer Cement
1.5g*5 syringes	TopCEM-Try In Veneer Try-In Gel
5ml*1 bottle	TopCEM Ceramic Primer Ceramic Coupling Agent
3ml*1 syringe	P-Etchant Phosphoric Acid Etching Gel
1.2ml*1 syringe	HF-Etchant Hydrofluoric Acid Etching Gel
Accessories	Dispensing tips, mixing pad, micro-brushes

01 Veneer Try In

Apply Try-in gel to veneer inner face.



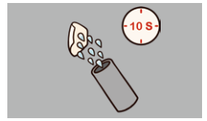
Carefully seat the veneer without pressure.

Rinse the veneer thoroughly, then dry with air.

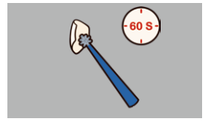
02 Pretreatment of Veneer Restoration

· Porcelain/ glass ceramic veneers

Apply a layer of HF-Etchant, wait for 60sec.



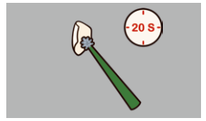
Rinse thoroughly for 10sec, then dry with air.



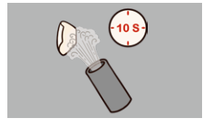
Apply two layers of TopCEM Ceramic Primer to veneer inner face, and wait for 60sec.

Dry the restoration with air.

· Composite resin veneers



Apply HugeBond Universal FliPro and wait for 20sec.



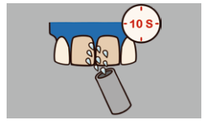
Dry the restoration with air for 10sec.
*DO NOT LIGHT CURE.

03 Pretreatment of Teeth

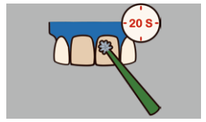
Rinse the teeth thoroughly, then dry with air.

Isolate the teeth with rubber dam.

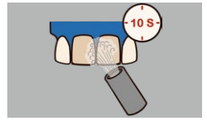
Apply P-Etchant to teeth surface.



Rinse the etched teeth for 10sec, then dry with air.



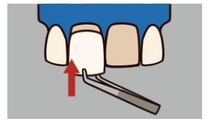
Apply HugeBond Universal FliPro to the teeth evenly, and rub it in for 20sec to ensure a shiny surface,



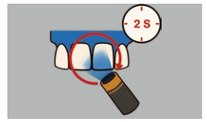
Dry with air for 10sec to remove the solvent.
*DO NOT LIGHT CURE.

04 Veneer Cementation

Apply TopCEM-Veneer Cement.

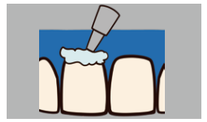


Seat the veneer in position.



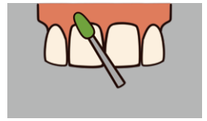
Tack cure excess cement in the margin for 2sec.

Remove and clean the excess cement.



Apply glycerin gel to the margins before final curing.

Final cure the cement for 20sec.



Clean up and polish.

Apply Pro Shield Fluor Protector to the teeth for postoperative protection.