

# HUGE

## HOW TO CONNECT?

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Rev 12/2025



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# HUGE

## CLINICAL SOLUTION

Redefine the fully-modernized dental clinics.



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Your Comprehensive Digital Dentistry Partner

# Company Profile

HUGE Dental that integrates research, development, manufacture and sales of dental materials, was founded in 2006 in China. There are three R&D centers functioning independently in Rizhao, Shanghai and Suzhou.

Implementing strict QC standards for dental industry, HUGE Dental is one of top dental material manufacturers in China, and has passed the MDR CE(EU), FDA(USA), MDL(Canada), ISO13485 and other quality system certifications and product registrations. Its dental consumables have been exported to more than 100 countries/ regions all over the world.

HUGE Dental will continue to take independent innovation as the core motivity, to provide customers with integrated dental solutions.

 **EU-MDR FDA**  
Certified

**33,000+m<sup>2</sup>**  
Manufacturing and  
research plant

**700+**  
Employees

**100+**  
Sale Countries

**50,000,000+**  
Product Users



# Development History

## 2006-2009

Established Shandong Huge Dental Material Corporation.  
HUGE CAD/CAM tooth molding center was established, 8 series of teeth with different mould design that can be applied to all races worldwide were launched.

## 2010-2016

Achieved mass production of elastomeric impression materials.  
Began developing clinical dental products.

## 2017-2019

Our clear aligner system received Class II medical device certification and entered commercial production.  
Our Light Cure Dental Adhesive and Dual Cure Resin Cement were certified as Class III medical devices.

## 2020-2021

Both our Light Cure Dental Adhesive and Dual Cure Resin Cement received CE certification and FDA approval.  
Our Light Cure Veneer Cement obtained Class III medical device certification  
Our Universal Composite Restorative was approved by the FDA.  
HUGE DENTAL USA LLC was founded in California, USA.

## 2022

Joined the Innovation Center of the "National Engineering Research Center of Oral Biomaterials and Digital Medical Devices".  
Our Glass Ionomer Cement was certified in Switzerland.  
Our Flowable Composite Restorative received FDA approval.

## 2023

Twelve of our products received initial registration certificates from the UK MHRA.  
Shandong Huge Dental Material Corporation was recognized as one of the "Top 100 Most Innovative Private Enterprises in Shandong Province".  
Our Universal Composite Restorative received Class III certification from the NMPA.  
Our Glass Ionomer Cement, Light Cure Dental Adhesive, and Dual Cure Resin Cement were registered with the UK MHRA.  
Our Enamel Coating Resin was approved by the FDA.

## 2024 till Now

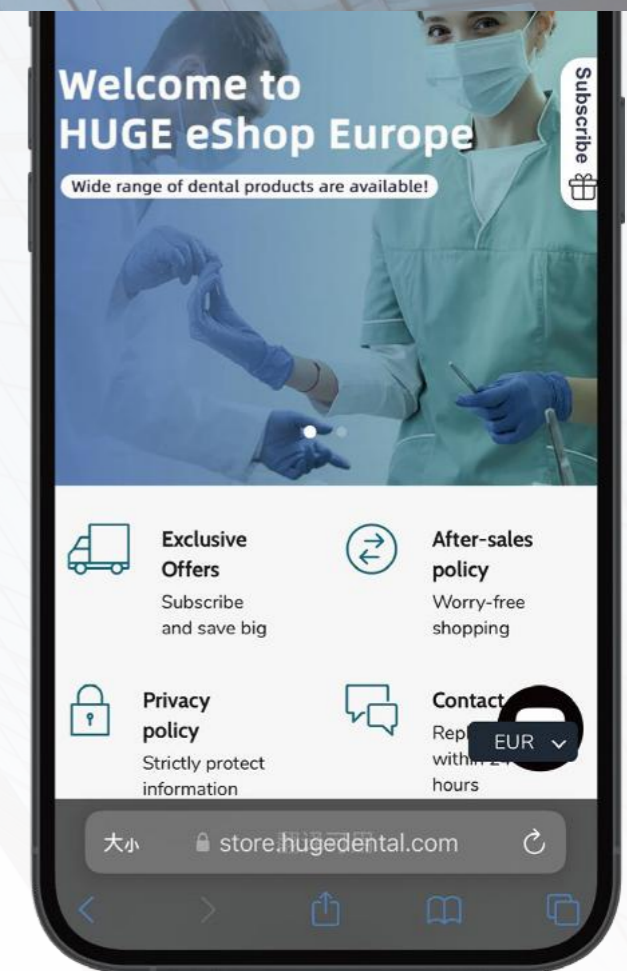
Established PT Huge Dental Indonesia to further expand our presence in Southeast Asia.  
Since 2024, HUGE Dental has launched a comprehensive range of digital dental equipment, offering a one-stop solution for digital dental labs and chairside applications.

# HUGE E-shop is Live!

E-Shop Europe:

[store.hugedental.com](https://store.hugedental.com)

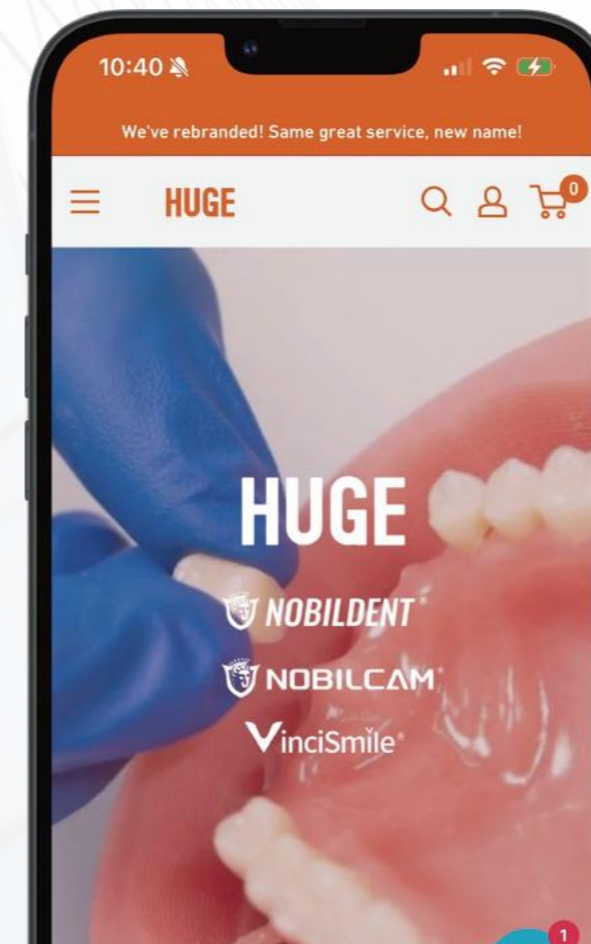
- Multi language
- Wide range of dental products
- Exclusive Offers



E-Shop USA & Canada:

[store.hugedentalusa.com](https://store.hugedentalusa.com)

- Special Offer
- Loyalty Points and Rewards
- Fast Shipping

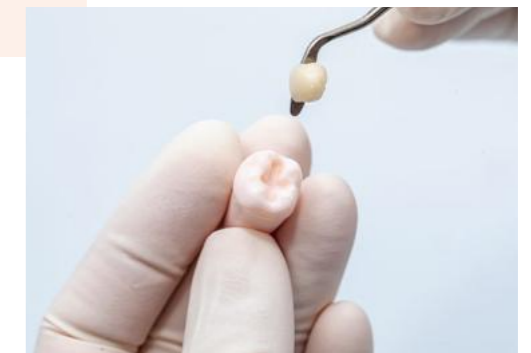




# HUGE All-In-One Clinical Solutions

As an innovator and reliable clinical solution provider, HUGE is committed to offering fully aligned clinical product systems work together leading to complete solutions, speeding up your path to practice success.

HUGE provides comprehensive clinical solutions, including TopCEM indirect restorative solutions, TrusFIL direct aesthetic restorative solutions, TopCEM veneer aesthetic solutions, implant restorative solutions, and HUGE orthodontic solutions. State-of-the-art materials, tools, and techniques which are all included in clinical solutions, result in streamlined procedures, enhanced practice efficiency and better treatment results, which in turn increase patient satisfaction and bring you to dental success.





## > Dental Restorative Materials

### 01 Pre-treatment

- **HugeBond Universal FliPro** Light Cure Dental Adhesive 03
- **P-Etchant** Phosphoric Acid Etching Gel 05
- **HF-Etchant** Hydrofluoric Acid Etching Gel 06
- **TopCEM Ceramic Primer** Ceramic Coupling Agent 07

### 02 Dental Cements

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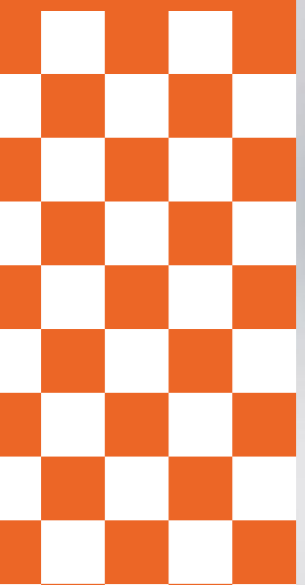
## > Glass Ionomer Cement

- **Glass Ionomer Cement** Luting I 69
- **Glass Ionomer Cement** Filling I 71
- **Glass Ionomer Cement** LuFill HS 73

Your partner in  
prosthetic dentistry



# RESTORATIVE MATERIAL



# HugeBond Universal FliPro

## Light Cure Dental Adhesive

A leading innovation meeting all your expectations for a universal bonding.

### Indication

- Direct bonding under a light-cured composite or compomer fillings.
- Repair of dental restorations of ceramic, composites and metal alloys.
- Indirect dental restorations cementation with resin cement.
- Seal hypersensitive areas of teeth.

8<sup>TH</sup>  
GENERATION



**“EASY TO USE WITH  
MANY INDICATIONS.”**

### Evaluators' Comments

- “The ability to use a single bonding material for all styles and types of composites is very nice.”
- “The viscosity was thicker than most agents. I felt I had great coverage.”
- “The bottle design made it easy to get the amount you needed. Some bottle designs dispense more than what you need or want.”
- “Great consistency and clinical usability.”

#### Universal Application

- Contains **MDP monomer** which enhances chemical adhesion to direct and indirect restorations.
- Suitable for various substrates.
- Compatible with all etching techniques, with cement of light-cured, self-cured and dual-cured.

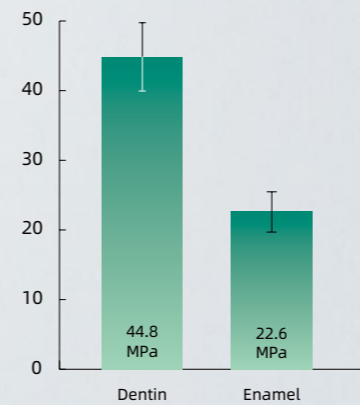
#### Reliable Bonding

- Strong bonding strength no lower than 20MPa.
- Low film thickness around 3µm.
- Ultra-mild pH(PH=2.7) provides excellent dentin bond strengths and enamel bonds.

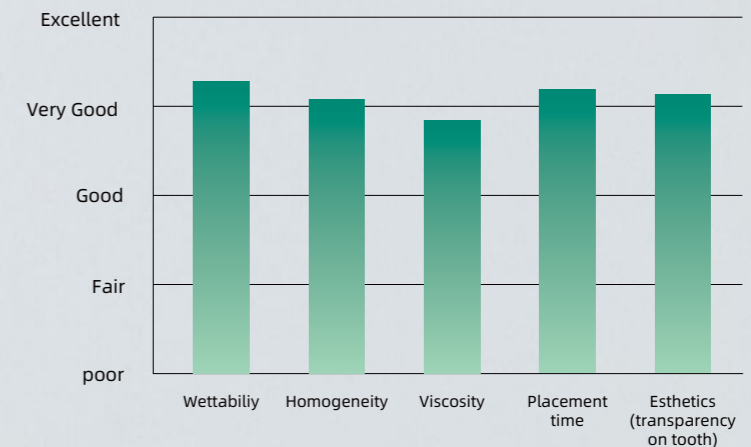
#### Excellent Operative Experience

- Low occurrence of microleakage prevents secondary caries.
- Flip-open design enables easy application with only one hand.
- Suction technique delivers drop control result, economizes on the output of HugeBond.

DENTAL ADVISOR  
Biomaterials Test Results:  
Shear Bond Strength  
Self-Etch Mode



Evaluation Summary:



# P-Etchant

## Phosphoric Acid Etching Gel

37% Phosphoric acid etchant with ideal consistency for accurate placement

### Indication

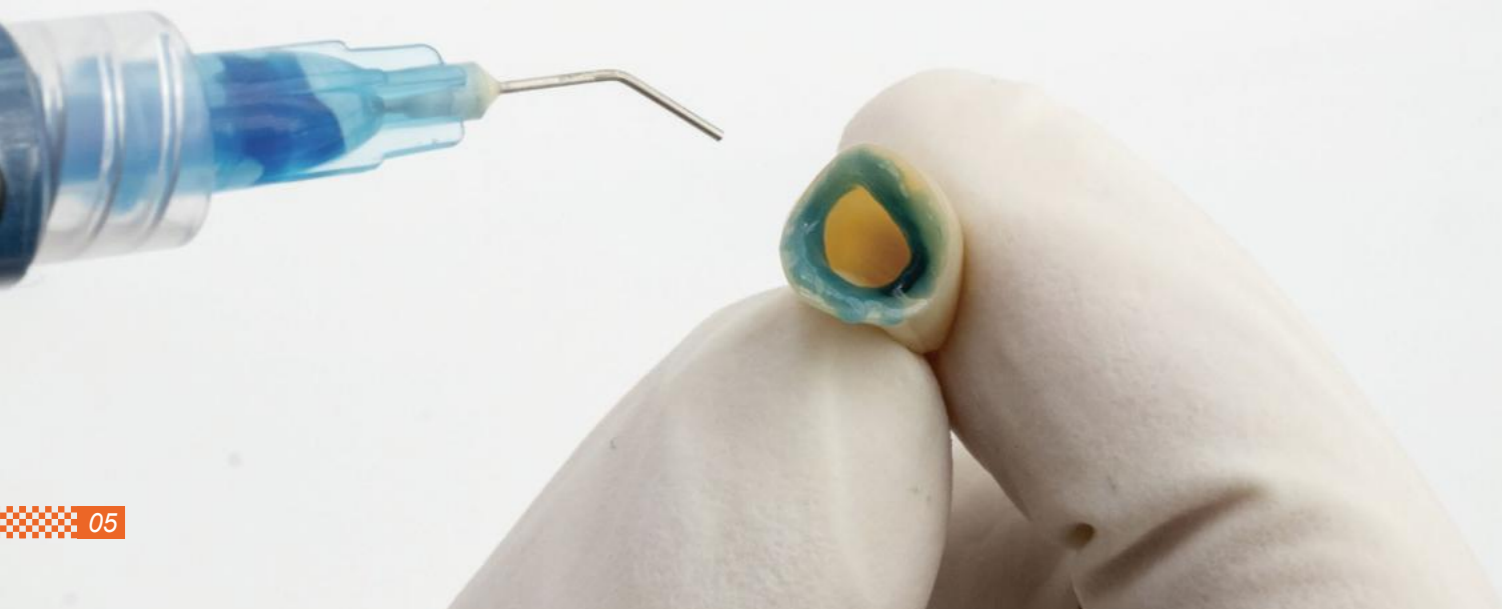
- Used for etching of tooth enamel and/or dentin.
- Used for cleaning of restoration surfaces prior to repairing or cementation.

### Advantages

- Eliminate the surface dirt and fouling from enamel and dentin.
- Roughen the enamel and dentin surface effectively.
- Fully open dentine tubules, which is easier for adhesive to penetrate and form resin protrusion.
- Bright blue color can be easily differentiated from the tooth.
- Consistent material thickness ensures simple and effective application.
- It rinses perfectly, as it rinses off easily without leaving residue.
- Ideal viscosity, which makes precision placement easier and superior control.

### Packaging

3ml\*1 Syringe  
10 Dispensing Tips



# HF-Etchant

## Hydrofluoric Acid Etching Gel

Reliable hydrofluoric acid etchant of 9% concentration

### Indication

- Used for etching various types of resin bonded porcelain/ceramic restorations before the bonding and cementation procedure.

### Advantages

- Used for etching pretreatment of restoration adhesion surface made of glass ceramics.
- It makes the restoration surface more rough and improved adhesion.
- It enhances mechanical interlocking force.

### Packaging

1.2ml\*1 Syringe  
10 Dispensing Tips



# TopCEM Ceramic Primer

## Ceramic Coupling Agent

A Universal primer for conditioning all common restorative materials.

### Indication

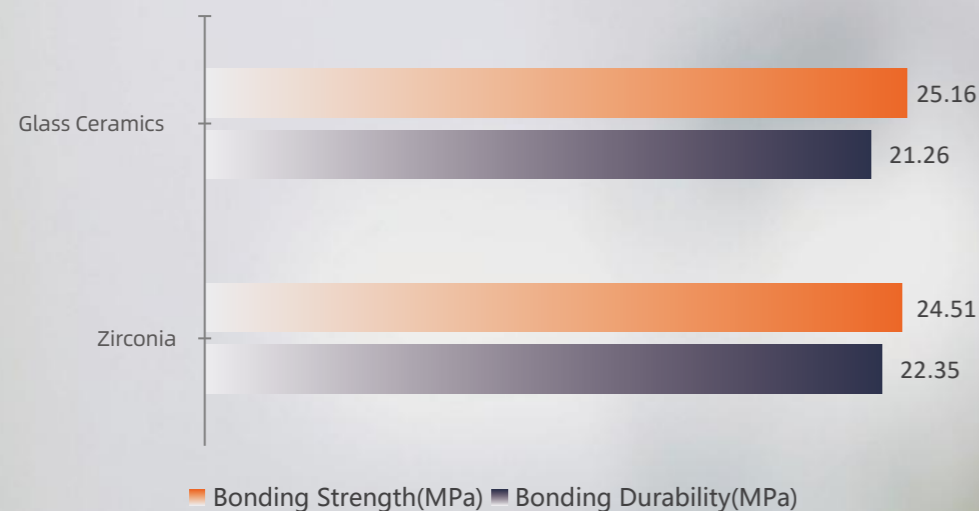
- Ceramic Coupling Agent serves as priming agent and is used to create a durable adhesion between luting composites and glass/oxide ceramic, metal, composite and fiber-reinforced composite restorations.

### Advantages

- Quick solvent evaporation minimizes waiting time.
- Serving as a universal primer, suitable for multiple restoration interfaces.
- Simple operation, easy to apply, compatible with light cured or dual cured adhesive resin cements.
- Significantly improve the bonding strength between the resin cement and the restoration.

### Packaging

5ml\*1 Bottle



\* Data from HUGE Dental lab.

Around  
**25MPa**  
High Bonding Strength to  
Glass Ceramics and Zirconia



## TopCEM

### Dual Cure Resin Cement

An all-rounder for all types of restorations and materials cementation.

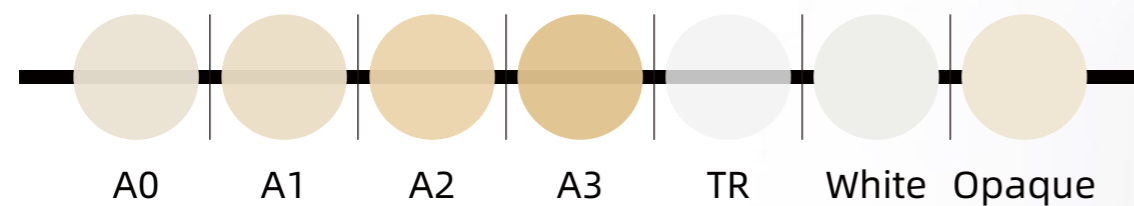
### Indication

- Cementation of all sorts of dental restorations including crowns, bridges, inlays/onlays, veneers, dental posts and other restorations made from materials of metals/alloys, metal-ceramic, all-ceramic and/or porcelain, composites, and their combinations.

### Advantages

- Dual cure offers flexible options.
- Sufficient working time and fast setting time.
- High flexural strength over 120MPa delivers a long-lasting adhesion.
- Low film thickness about 13µm.
- Low solubility and water absorption.
- Impressive radiopacity over 400% enables easier diagnosis, treatment, and monitoring of dental restorations at recall.
- Innovative PTHP technology mitigates the high temperature sensitivity, addressing potential premature curing issues during transportation.
- PTHP redox technology remarkably enhances the color stability, reduces color shifts before and after curing.

### Shade



### Technical Parameter

Flexural Strength	123MPa
Film thickness	13µm
Water Absorption	16µg/mm <sup>3</sup>
Solubility	0.6µg/mm <sup>3</sup>
Working Time	≥2min30sec
Curing Time	2min40sec~ 3min10sec

### Bonding Strength(MPa)



### Packaging

- 8g\*1 Syringe
- 8g\*1 Syringe + Mixing tips



# TopCEM Elite System

## Universal Adhesive Cementation Solution

### Indication

TopCEM Elite System is designed for cementation of all sorts of dental restorations including crowns, bridges, inlays/onlays, veneers, dental posts and other restorations, which are made of metals/alloy, glass ceramic, oxide ceramic (zirconia), metal-ceramic, all-ceramic, composites, and their combinations.

### Packaging

6ml*1 bottle	HugeBond Universal FliPro Light Cure Dental Adhesive
8g*1 syringe	TopCEM Dual Cure Resin Cement
5ml*1 bottle	TopCEM Ceramic Primer Ceramic Coupling Agent
3ml*1 syringe	P-Etchant Phosphoric Acid Etching Gel
Accessories:	Intraoral mixers, dispensing tips, mixing pad, micro-brushes

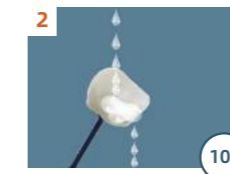


### Restoration Pre-treatment

• Porcelain/ glass ceramics restorations



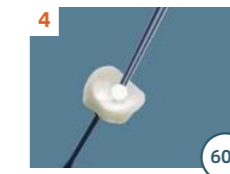
Apply HF-Etchant to the restoration surface. Wait for 60sec.



Rinse thoroughly with water for 10sec.



Dry with oil-free air.



Apply TopCEM Ceramic Primer to restoration inner surface. Wait for 60sec.



Dry the primed surface. \*DO NOT TOUCH THE SURFACE WITH YOUR HANDS.

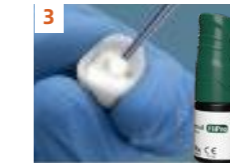
• Zirconia/ metal restorations



Use aluminum oxide to sandblast bonding surfaces of restorations.



Rinse with water and dry with oil-free air.



Apply HugeBond Universal FliPro and allow it to react for 20 sec.



Dry the restorations with air.

• Composite resin restorations

Follow the same procedure as "Zirconia/ metal restorations".

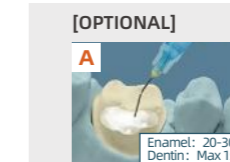
### Tooth Pre-treatment



Clean the tooth to be cemented, rinse with water.

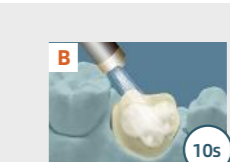


Gently dry the tooth surface with oil-free air or cotton pellets. Be careful not to over dry.

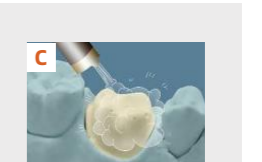


[OPTIONAL]

Apply P-Etchant to both enamel and dentin surface (Total etch) or to enamel surface only (Selective etch).



Rinse the tooth surface thoroughly with water for 10 seconds.



Gently dry the tooth surface with air.

### Bonding Agent Applying

Note: Do not light cure bonding agent on the indirect restoration.



Dry the tooth surface with oil-free air for 2-3sec. Be careful not to over dry.



Apply HugeBond Universal FliPro evenly in two coats for 20 sec.



Dry the tooth surface with oil-free air for 10-15sec to remove the solvent.



Light cure the tooth surface for 10sec.

### Restoration Cementation

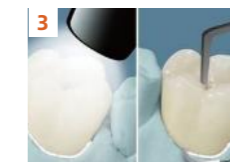
• Crowns, bridges, inlays, onlays, veneers



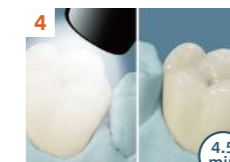
Place the 1:1 mixed TopCEM onto the primed surface of the restoration.



Seat the restoration on the tooth in position.



Light cure the excess cement in the margin for 2sec, remove and clean up.



Light cure each side of the restoration for 10sec, or wait for 4.5 min for self curing.



Finish and polish, adjust the occlusal.

## TopCEM Veneer Cement

### Light Cure Veneer Cement

Your best option which brings to optimal outcomes for prosthetic restorations.

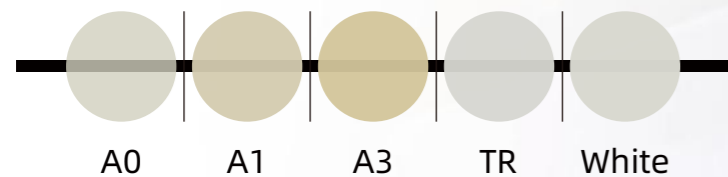
### Indication

- Used for permanent cementation of veneer made from materials of porcelain/ceramic and composites.

### Advantages

- 5 shades and 3 opacity options, satisfy all needs of esthetics, high translucency and shades covering.
- Light curing ensures colour stability.
- Impressive radiopacity, X-ray radiation resistance could be over 400%.
- High bonding strength, low water absorption and solubility, and impressive marginal fitness.
- Additional try-in gel ensures appropriate cement shade to fit in natural teeth.

### Shade



### Packaging

2.5g\*1 Syringe  
10 Dispensing Tips

## TopCEM Try-In

### Veneer Try-in Gel

Delivers accurate shade matching to TopCEM veneer cement.

### Indication

- Used to evaluate the shade and the matching of the restoration prior to permanent cementation.

### Advantages

- Try-in pastes offer excellent color match to final cured cement.

### Packaging

2g\*1 Syringe  
10 Dispensing Tips



**400%**  
High Radiopacity

# 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

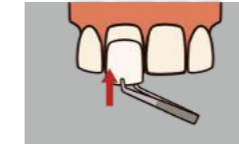
6ml*1 bottle	HugeBond Universal FliPro Light Cure Dental Adhesive
2.5g*5 syringes	TopCEM-Veneer Light Cure Veneer Cement
2g*5 syringes	TopCEM-Try In Veneer Try-In Gel
5ml*1 bottle	TopCEM Ceramic Primer Ceramic Coupling Agent
3ml*1 syringe	P-Etchant Phosphoric Acid Etching Gel
1.2ml*1 syringe	HF-Etchant Hydrofluoric Acid Etching Gel
Accessories	Dispensing tips, mixing pad, micro-brushes



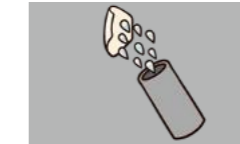
### 01 Veneer Try In



Apply Try-in gel to veneer inner face.



Carefully seat the veneer without pressure.



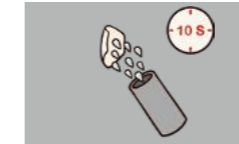
Rinse the veneer thoroughly, then dry with air.

### 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

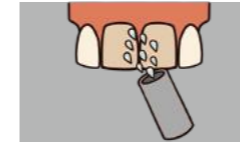


Apply HugeBond Universal FliPro and wait for 20sec.

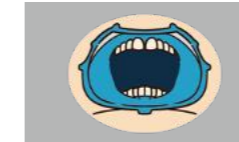


Dry the restoration with air for 10sec.  
\*DO NOT LIGHT CURE.

### 03 Pretreatment of Teeth



Rinse the teeth thoroughly, then dry with air.



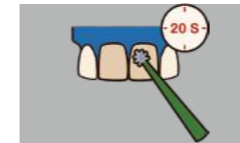
Isolate the teeth with rubber dam.



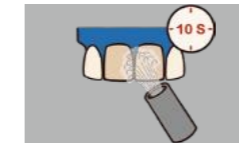
Apply P-Etchant to teeth surface.



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,

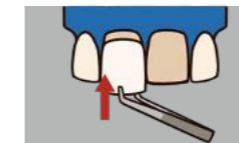


Dry with air for 10sec to remove the solvent.  
\*DO NOT LIGHT CURE.

### 04 Veneer Cementation



Apply TopCEM-Veneer Cement.



Seat the veneer in position.



Tack cure excess cement in the margin for 2sec.



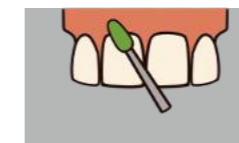
Remove and clean the excess cement.



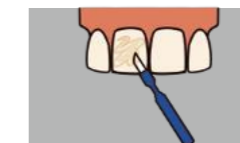
Apply glycerin gel to the margins before final curing.



Final cure the cement for 20sec.



Clean up and polish.



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

# TopCEM-RMGI

## Resin Modified Glass Ionomer Cement-Luting

Meet all your expectations for a straightforward, flexible and predictable cementation.

### Indication

- Cementation of porcelain-fused-to-metal (PFM) crowns and bridges
- Cementation of metal crowns, inlays and onlays
- All-zirconia strengthened core ceramic restorations
- Cementation of resin inlays, onlays, crowns and bridges
- Final cementation PFMS, metal crowns or all-zirconia strengthened core ceramic restorations to implant abutments

#### Simplified Operation

- No more need for adhesives, primers or conditioners.
- Tack curing ensures a quick and easy excess cement clean-up.
- Ideal consistency created for accurate placement.

#### Functional Result

- Continuous fluoride release prevents secondary caries.

#### Reliable Cementation

- Low film thickness for a marginal fit.
- High strengths delivers an ideal long-lasting cementation performance.

### Packaging

8g\*1 Syringe

### Technical Parameter

Mixing Ratio (base:catalyst)	1:1
Working Time (minimum)	1min 30sec
Intra-oral Setting Time (maximum, from initial mix)	4min 30sec

Over **20MPa**  
Reliable Bond to Zirconia



# TopCEM Vigor SA

## Self Adhesive Resin Cement

An innovation simplifies your path to restoration success.

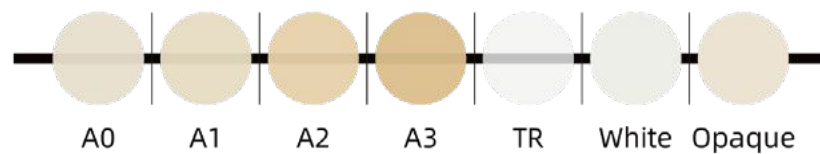
### Indication

- Cementation of all-ceramic, composite, and metal crowns, bridges, inlays, onlays, dental posts; 2-3-unit Maryland bridges and 3-unit inlay/onlay bridges (contraindicated for patients with bruxism or periodontitis).
- Cementation of fiber posts.
- Cementation of all-ceramic, composite, and metal restorations on implant abutments.

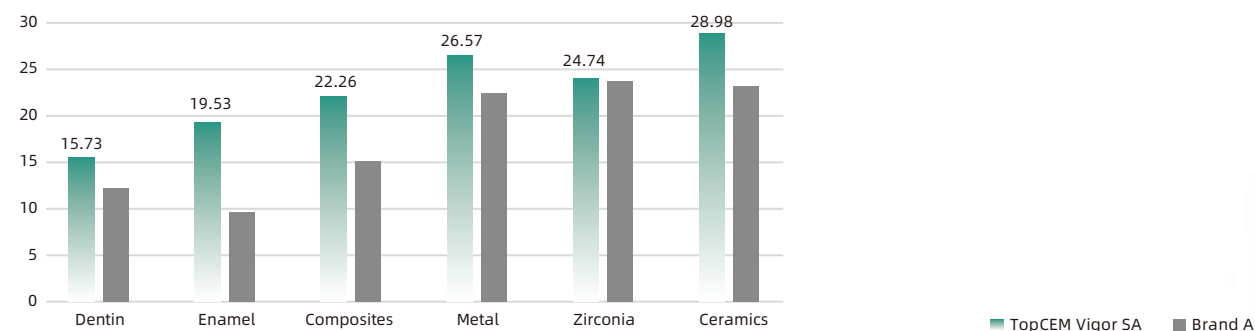
### Advantages

- Provides a time-saving one-step cementation solution, no need of adhesive
- Ultra-low film thickness about 8µm, ensures strong luting result
- High flexural strength over 100Mpa
- Low water absorption and solubility, delivers a long-lasting restorative result.
- Perfect viscosity for accurate placement, without runny mess in patients mouth
- 7 shades and 3 opacities provide aesthetics tooth-like restorative result.

### Shade



### Bonding Strength(Light Curing)/ MPa



### Technical Parameter

Flexural Strength	113.6 MPa
Film Thickness	8.4 µm
Water Absorption	27.8 µg/mm <sup>3</sup>
Solubility	0.6 µg/mm <sup>3</sup>
Working Time	≥2min
Curing Time (self curing)	2min30sec-3min10sec

MDP Monomers

No Primer/ Adhesive Needed

Fluoride Release



### Packaging

8g\* 1 Syringe



# TrusFIL

## Universal Composite Restorative

Stands out among restoratives due to its unexpected strength and polish retention.

### Indication

- Direct anterior and posterior restorations (including occlusal surfaces);
- Core Build-ups;
- Splinting;
- Indirect restorations including inlays, onlays and veneers.

#### Impressive Longevity

- High flexural strength, low water absorption and solubility.
- Low polymerization shrinkage effectively prevents secondary caries.
- Zirconia filler enhances compressive strength.

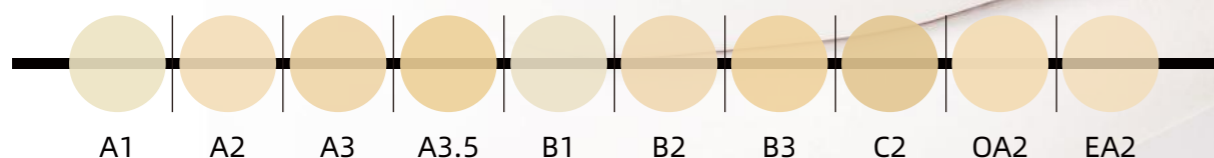
#### Easy Operation

- Shape easily, not sticky.
- Over 400% of high radiopacity for easier identification at recall.

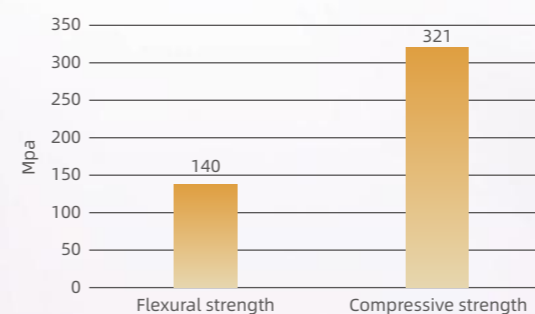
#### Natural Aesthetics

- 3 opacity and 10 shades provide natural tooth-like effect.
- High polishability and long-run gloss.

### Shade



Water absorption	17/μg/mm <sup>3</sup>
Water solubility	0.7/μg/mm <sup>3</sup>
Polymerization shrinkage	0.77%
Depth of curing (A3 shade)	2.49mm



### Packaging

4g\*1 syringe  
0.25g\*20 capsules



\* High compressive strength (321 MPa) makes composite strong enough to be placed in any class of cavity.

\* Endures load in stress bearing areas due to high flexural strength (140 MPa).

### Class II restoration



\* Photo courtesy of Dr. Cindy.

### Class IV restoration



# TrusFIL-Flow

## Flowable Composite Restorative

Features multi-shade aesthetics, satisfying viscosity, and self-leveling technology.

### Indication

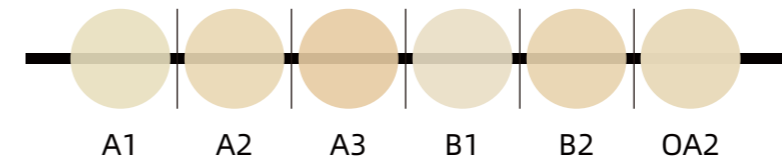
- Class III and V restorations.
- Restoration of minimally invasive cavity preparations (including small, non stress-bearing occlusal restorations).
- Base/liner under direct restorations.
- Repair of small defects in indirect restorations.
- Pit and fissure sealant.
- Undercut blockout.
- Repair of resin and acrylic temporary restorations.

### Advantages

- Impressive physical and chemical properties guarantee durability.
- Superior flexural strength .
- Good rheological makes it easy to control accurately and be self-leveling.
- Multiple shades provide an ideal aesthetic effect.
- Low polymerization shrinkage.
- Over 300% X-ray radiopacity .

Flexural strength	130Mpa
Water absorption	19/ $\mu\text{g}/\text{mm}^3$
Water solubility	0.48/ $\mu\text{g}/\text{mm}^3$
Depth of curing (A3 shade)	2.9mm
Polymerization Shrinkage	1.35%

### Shade



### Specification

2g\*1 syringe+10 dispensing tips  
2g\*2 syringes + 20 dispensing tips



# 130MPa

## Impressive Flexural Strength

# TrusFIL X-Blend

## Universal Composite Restorative

ONE syringe for ALL ranges of teeth shades

### Indication

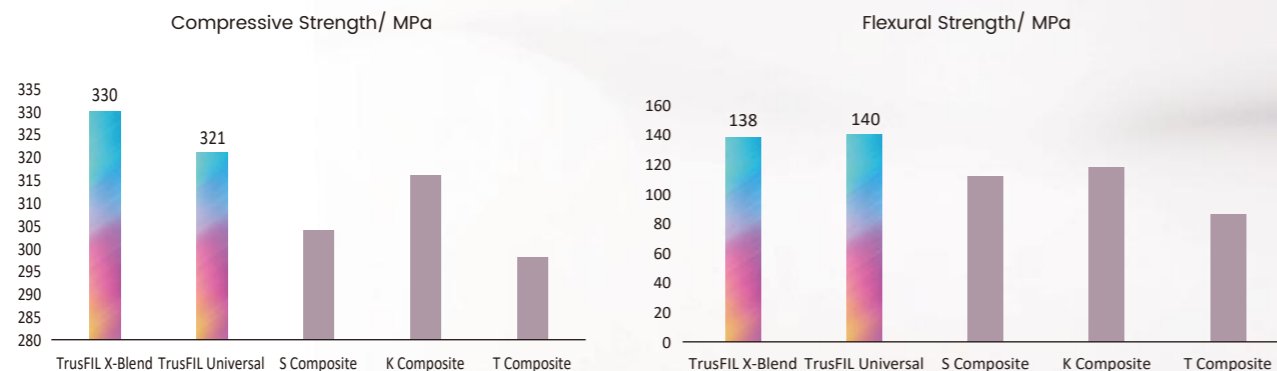
- Direct anterior and posterior restorations (including occlusal surfaces);
- Core Build-ups;
- Splinting;
- Indirect restorations including inlays, onlays and veneers.

### Advantages

- No wasted shades with only one TrusFIL-Universal shade, changing your restoration routine.
- Take the guesswork out of finding the accurate shades matching patients' natural teeth.
- Exceptional longevity with low shrinkage of only 1.06%.
- Impressive physical properties due to TrusFIL Nanofiller technology.
- 3.5 mm depth of cure - saves time.
- Easy to polish, highly stain resistant with a high gloss.

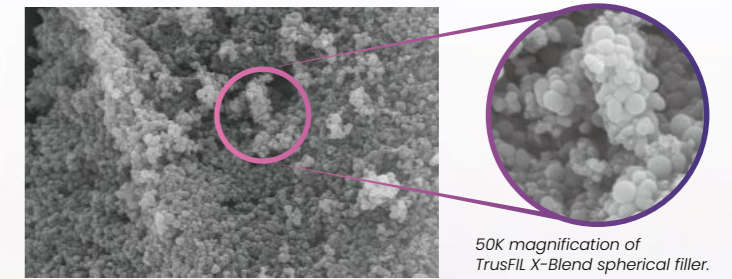
### Specification

4g\*1 Syringe



### TrusFIL X-Blend Technology

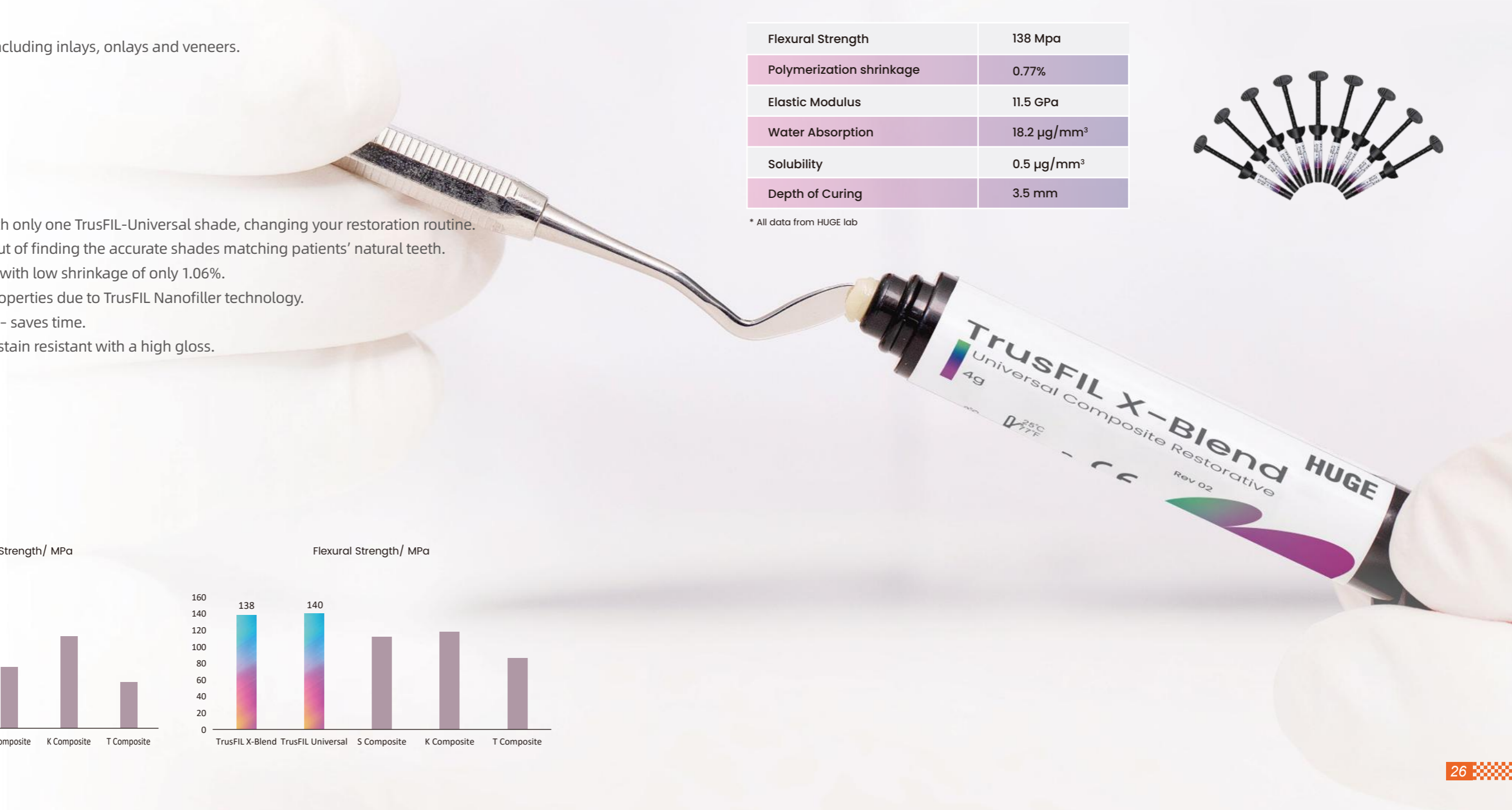
- Utilizing special fillers and innovative TrusFIL Technology, TrusFIL X-blend exhibits succeeds in covering all shades in only ONE universal shade composite with the Chameleon Effect.



### Properties

Flexural Strength	138 Mpa
Polymerization shrinkage	0.77%
Elastic Modulus	11.5 GPa
Water Absorption	18.2 µg/mm <sup>3</sup>
Solubility	0.5 µg/mm <sup>3</sup>
Depth of Curing	3.5 mm

\* All data from HUGE lab



# TrusFIL Restoration System

## Universal Composite Restoration Solution

### Indication

TrusFIL Restorative System is a highly aligned direct restorative system indicated for:

- Direct anterior and posterior restorations (including occlusal surfaces);
- Core Build-ups;
- Splinting;
- Indirect restorations including inlays, onlays and veneers.

### Packaging

6ml*1 bottle	HugeBond Universal FliPro Light Cure Dental Adhesive
4g*4 syringes	TrusFIL Universal Composite Restorative
2g*2 syringes	TrusFIL Flow Flowable Composite Restorative
3ml*1 syringe	P-Etchant Phosphoric Acid Etching Gel
Accessories	Dispensing tips, mixing pad, micro-brushes

# UltraCore

## Core Build-up Material

A real-dentin-like core build-up material, brings you utmost restorative results.

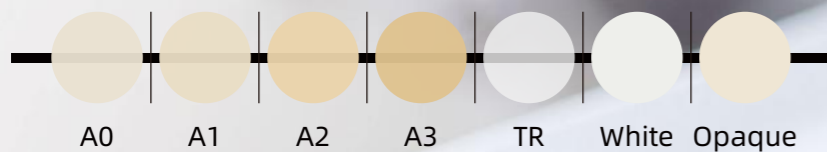
### Indication

- Core build-up.
- Root post cementation.
- Permanent crown&bridge cementation.

### Advantages

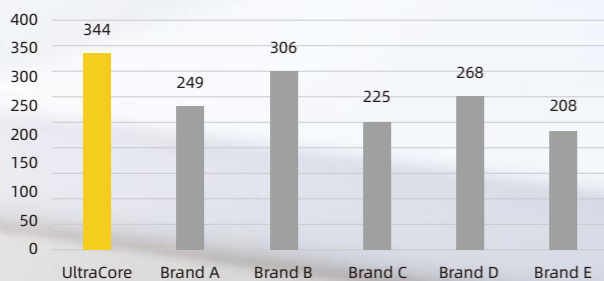
- Superior compressive and flexural strength.
- Cuts like natural dentin and matches natural tooth structure.
- Excellent viscosity guarantees optimal adaptation to the cavity walls and root posts.
- Ideal Ultra-thin film thickness (12.7µm) for cementing root posts.
- 7-shade options ensure natural tooth look.
- Dual curing techniques provide easier application in the root canal.

### Packaging

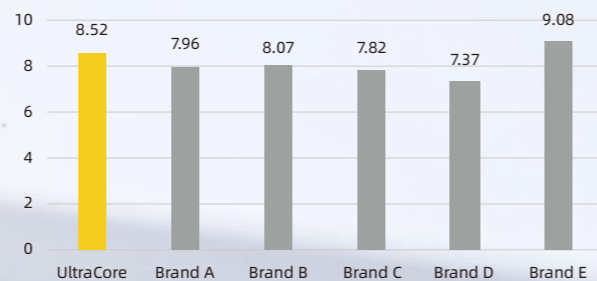


### Optimal Material for Core Build-ups

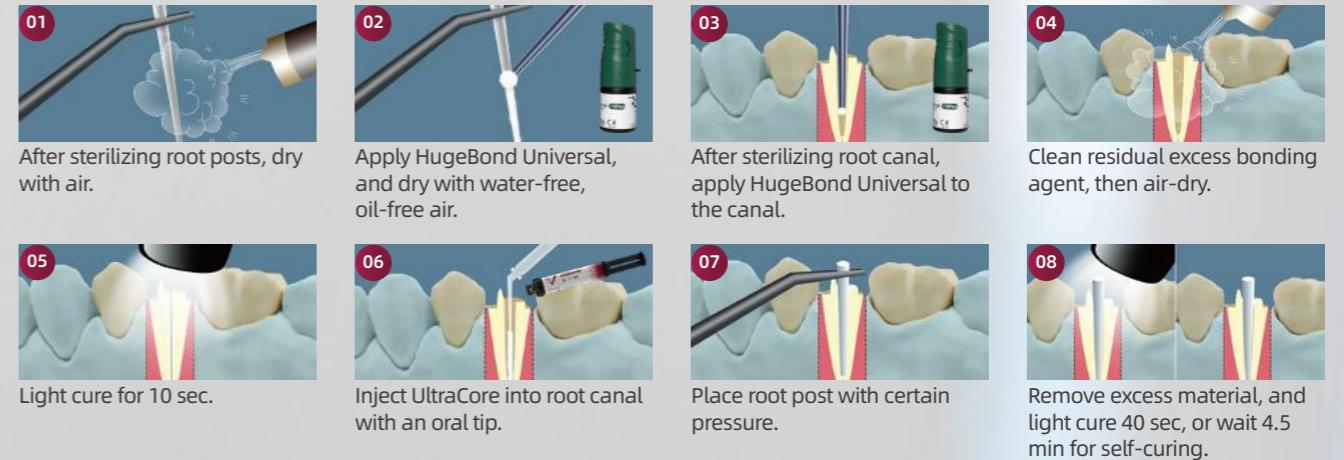
Compressive Strength/MPa



Flexural Modulus/ GPa



### • Root post cementation



### • Core Build-up



## Proseal F

### Enamel Coating Resin

A safe and painless way of protecting teeth from tooth decay.

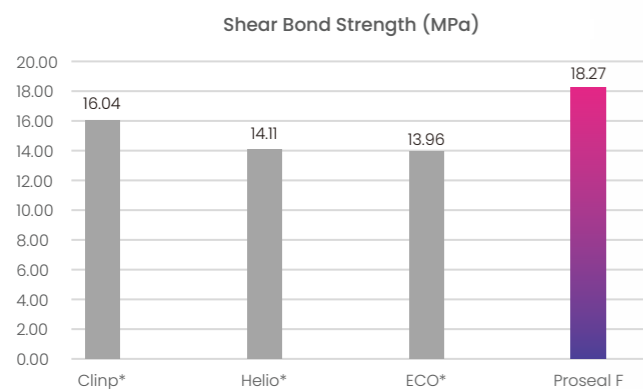
### Indications

- Deep pits and fissures on the occlusal surface, buccal surface and lingual or palatal surface, especially where a probe can be inserted or stuck (including suspected caries)
- The contralateral tooth has caries or tends to caries
- Tooth eruption reaches the occlusal surface or the pits and fissures on the crown surface are completely exposed in the oral cavity

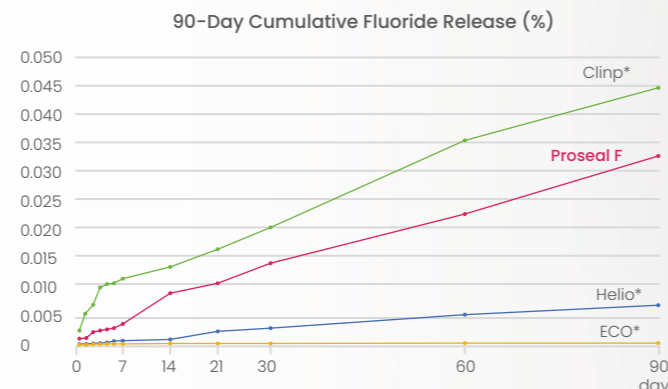
### Advantages

- Upgraded tip design enables accurate placement, minimizes leakage, and virtually eliminates bubbles.
- Low viscosity allows easy flow into pits and fissures
- Releases fluoride stably to prevent cavities
- Changes from pink to white after light curing
- Offers excellent stain resistance
- No pungent odor

### Parameters



\* Data from HUGE laboratory



\* Data from HUGE laboratory

### Operation Guide

as Pit & Fissure Sealant



Prepare the tooth (Rinse and dry).



Etch the pit and fissures with P-Etchant Phosphoric Acid Etching Gel.



Rinse and dry.



Apply Proseal F to the tooth.



Light cure until Proseal F turns to opaque white colour.



Finish the prevention.

### Packaging

- 1.5g\*1 Syringe
- 10 Dispensing Tips



## Pro Shield

### Fluor Protector

An innovative varnish system with a stable suspension of sodium fluoride.

### Indication

- Treating hypersensitive teeth

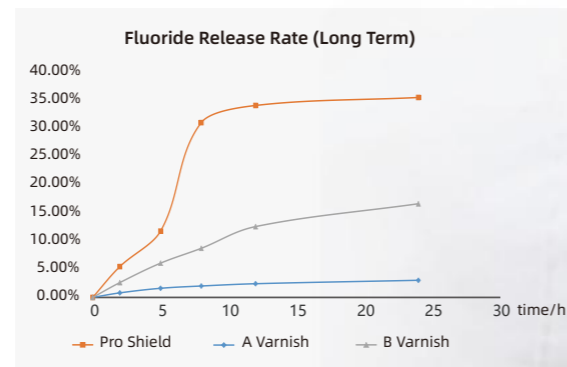
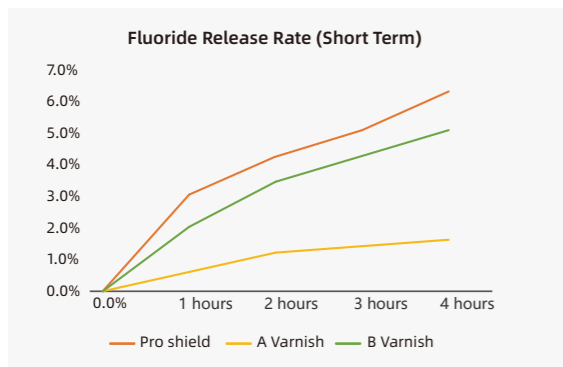
### Advantages

- High-efficiency fluoride release
- Safe natural resin formula
- Stable and even fluoride suspension
- Effective relief of tooth hypersensitivity
- Pleasant flavor for better patient experience
- Clinician-friendly packaging design
- Light yellow color from natural resin provides visual control

### Packaging

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

### High Fluoride Release Capability Suitable for Kids and Adults



\*Data from HUGE laboratory

### Excellent Operation Experience with Pro shield



1. Make sure the areas to be treated are clean



2. Remove excess saliva with triple syringe or cotton pellets



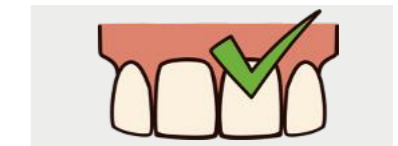
3. For 10g tube:



4. For 0.4g unit-dose:



5. Use the microbrush to apply a thin layer to the tooth surface



6. Forms a thin film on the tooth surface



# Pediatric Dental Solution

## Caring for Children's Dental Health To benefit you and your young patients.

HUGE has a professional pediatric dental system. The range includes preventive, minimally invasive treatments and restorative products. All products have shown effectiveness and safety in clinical applications, helping children maintain good dental conditions and effectively treating children's dental diseases.

### Prevention

To keep teeth healthy, small amounts of fluoride are needed during all stages of tooth growth. Especially for children, the prevention of dental cavities is very important. Several dental organizations and research reports recommend the professional use of fluoride restorative materials.

### Diagnosis

**Proseal F**  
Enamel Coating Resin



**Pro Shield**  
Fluor Protector



### Restoration

**TrusFIL**  
Unviersal Composite Restorative



**TrusFIL-Flow**  
Flowable Composite Restorative



### Protection

#### Glass Ionomer Cement

Universal Enhanced Glass Ionomer System  
Luting I · Filling I · LuFill HS



#### HugeBond Universal FliPro

Light Cure Dental Adhesive



#### Why choose glass ionomer cement materials for children?

- Continuous and long-lasting fluoride release to prevent children's dental cavities
- Easy to operate and simple to apply clinically
- Excellent bonding strength to metal restorations. Can be used to bond prefabricated crowns

# TempFIT

## Temporary Crown and Bridge Resin

### Indication

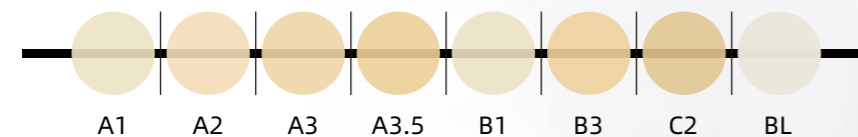
- For the fabrication of temporary crowns, bridges, inlays, onlays, and veneers.

### Packaging

1 x 70g Cartridge (1:1 Mix) + 10 Mixing Tips

### Advantages

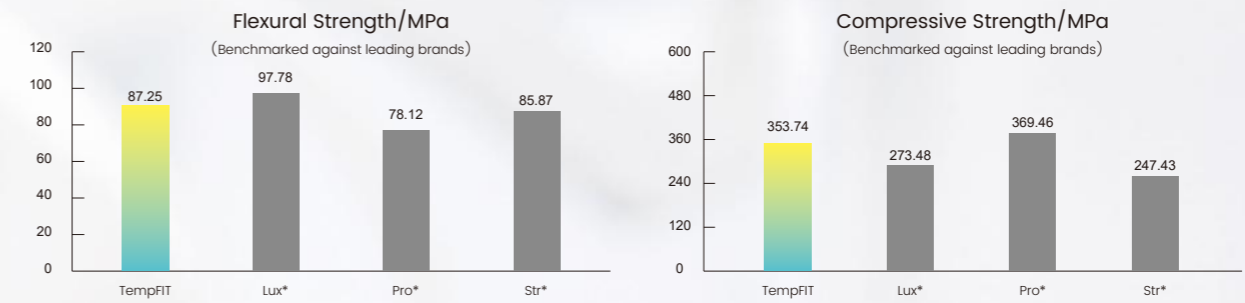
- Strong and fracture-resistant for reliable temporaries
- Precise marginal fit for optimal adaptation and gingival health
- Intraoral setting in about 1 minute for efficient procedures
- Extended working time — ideal for multi-unit restorations
- MMA-free and odorless for patient comfort
- Smooth, glossy surface that polishes easily and resists plaque



### High-Strength Provisionals with Precise Fit and Superior Esthetics

Temporary restorations play a critical role in fixed prosthodontics. They protect the preparation, maintain occlusion, and support soft-tissue healing while providing functional and esthetic continuity.

HUGE TempFIT is a high-strength bis-acrylic composite designed for precise marginal adaptation, excellent fracture resistance, and natural esthetics. Its low exothermic reaction and minimal shrinkage enhance patient comfort and dimensional stability, allowing clinicians to create durable provisional crowns and bridges with confidence.



\*Data from HUGE lab

### Excellent Color Stability

Color change of TempFIT A2 after 12 weeks of continuous aging at 37 °C

Color comparison of TempFIT A2 after 8 weeks of 37 °C water-bath storage versus baseline

\*Data from HUGE lab





# PERFIT Putty

## Elastomeric Impression Material

### Indications

- For crown, bridge, inlay, and onlay impressions.
- Recommended for use with wash material in two-step or one-step (simultaneous) impression techniques.

### Advantages

- Good linear dimensional stability.
- Excellent recovery after deformation.
- High tear strength and tensile strength.



### Technical Parameters

Technical Parameter	Putty	
	Normal Set	Fast Set
Type	Normal Set	Fast Set
Mixing Time	30s	30s
Working Time	1min30s	1min15s
Setting Time in Oral Cavity	3min00s	2min30s
Elastic Recovery	>99.5%	
Linear Dimensional Change (24 h)	<0.2%	
Shore A Hardness (24 h)	≈67	
Color	Purple	
Shelf Life	3 Years	

\*Data from HUGE laboratory

**Packaging**  
 400g\*1 Base  
 400g\*1 Catalyst  
 2 Measuring Spoons

**Set B**  
**Packaging**  
 400g\*1 Putty Base  
 400g\*1 Putty Catalyst  
 2 Measuring Spoons  
 50ml\*1 Light Body Cartridge

**Packaging**  
 25g\*1 Putty Base  
 25g\*1 Putty Catalyst

# PERFIT Heavy Body



## Elastomeric Impression Material

### Indications

- For crown, bridge, inlay, onlay, implant, orthodontic, and full denture impressions.
- Recommended for use with wash material in two-step or one-step (simultaneous) impression techniques.



Heavy Body/Dispenser-Mix

### Advantages

- Easy and efficient operation.
- Good mixing quality, avoid bubbles.
- High precision and dimensional stability.
- High tear strength and tensile strength.
- Especially suitable for border molding.



Heavy Body/Auto-Mix

### Technical Parameters

Technical Parameter	Heavy Body/Dispenser-Mix		Heavy Body/Auto-Mix
	Normal Set	Fast Set	Fast Set
Type	Normal Set	Fast Set	Fast Set
Working Time	2min00s	1min30s	1min30s
Setting Time in Oral Cavity	3min30s	3min00s	3min00s
Elastic Recovery	>99.5%		
Linear Dimensional Change (24 h)	<0.2%		
Shore A Hardness (24 h)	≈68		
Color	Blue		Green
Shelf Life	3 Years		

\*Data from HUGE laboratory

Impression results  
can be stored for  
**28 days**



# PERFIT Regular Body-Transparent

## Elastomeric Impression Material

### Indications

- For Clinical Application:
  1. Two-step impression technique with wash materials
  2. Light-curing guide for
    - a. Mock up restoration
    - b. Bonding of orthodontic brackets
    - c. Occlusal stamp for composite restorations
- For Lab Application:
  - Composite injection moulding technique



### Advantages



Extreme Transparency



No Bubbles



Ideal Rigidity



High Aesthetic Results

### Technical Parameters

Technical Parameter	Regular Body
Working Time	1min30s
Setting Time in Oral Cavity	3min00s
Shore A Hardness (24 h)	62
Color	Transparent
Shelf Life	3 Years

\*Data from HUGE laboratory



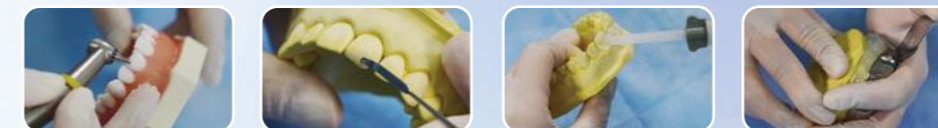
### Comparison



HUGE Brand A Brand B Brand C

### Clinical Application

#### 1. Flowable injection technique (Mock-up restoration)



1. Prepare the teeth  
2. Finish restoration with wax on plaster model or use the 3D printed model  
3. Apply Regular Body onto the model  
4. Use Regular Body to make transparent matrix



5. Fill the space with light-curing resins  
6. Light cure the resin materials  
7. Finish restoration after polishing



TrusFIL-Flow  
Flowable Composite Restorative

#### 2. Occlusal stamp for composite restorations



1. Use Regular Body to make transparent stamp  
2. Prepare teeth, etch and apply adhesive  
3. Fill with flowable resin or bulk resin  
4. Press with the transparent stamp  
5. Light cure the resin materials  
6. Finish restoration after polishing

#### 3. Indirect method of transferring orthodontic brackets



1. Bond the brackets to the plaster model temporarily  
2. Apply regular body to make transparent guide  
3. Remove temporary adhesive from brackets  
4. Prepare teeth, etch and apply adhesive  
5. Apply the transparent matrix. Light cure the adhesive  
6. Complete one-time transfer brackets

# PERFIT Monophase

## Elastomeric Impression Material

### Indications

- For crown, bridge, inlay, onlay and implant impressions.
- Recommended for one-step impression technique.

### Advantages

- One-step impression, simple and efficient
- High hydrophilicity and thixotropy
- High tear and tensile strength
- Excellent dimensional stability
- Moderate flow for good accuracy

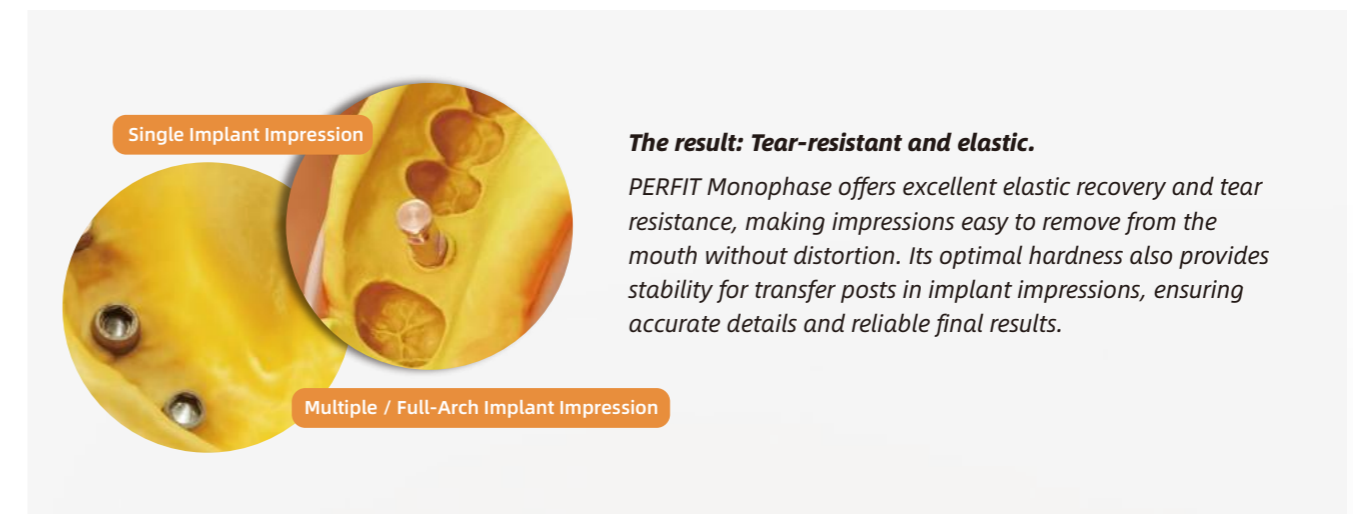
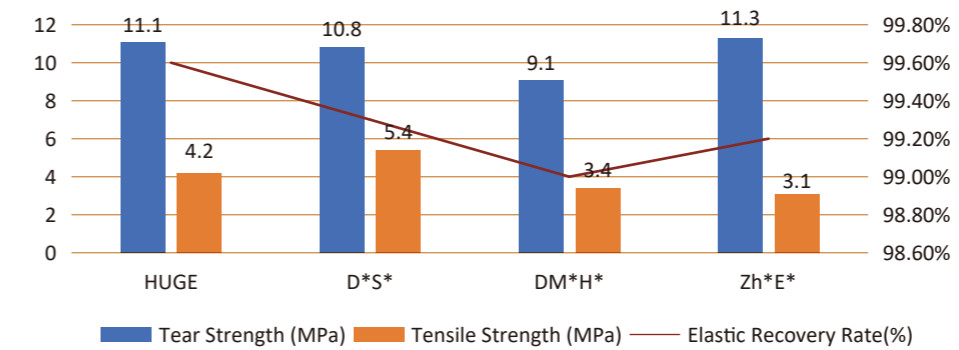
### Technical Parameters

Technical Parameter	Monophase
Type	Normal Set
Working Time	2min00s
Setting Time In Oral Cavity	3min30s
Elastic Recovery	>99.5%
Dimensional Change Rate	<0.2%
Shore A Hardness (24 h)	≈60
Color	Light Yellow
Shelf Life	3 Years

\*Data from HUGE laboratory



### Key Mechanical Properties Comparison



# PERFIT Light Body



## Elastomeric Impression Material

### Indications

- For crown, bridge, inlay, onlay, implant, orthodontic, and full denture impressions.
- Recommended for use with tray material in two-step or one-step (simultaneous) impression techniques.

### Advantages

- Extraordinary flow property and stability.
- High hydrophilicity and outstanding thixotropy.
- Strong ability to reproduce details.



### Technical Parameters

Technical Parameter	Light Body	
	Normal Set	Fast Set
Type	Normal Set	Fast Set
Working Time	2min15s	1min30s
Setting Time In Oral Cavity	3min30s	2min30s
Elastic Recovery	>99.5%	
Linear Dimensional Change (24 h)	<0.2%	
Shore A Hardness (24 h)	≈56	
Color	Orange	
Shelf Life	3 Years	

\*Data from HUGE laboratory



### Clinical Application



01. PERFIT Light Body



02. Apply the material on the initial impression and in the patient's mouth



03. Complete accurate impression

Impression results  
can be stored for  
**28 days**

# PERFIT Super Light Body

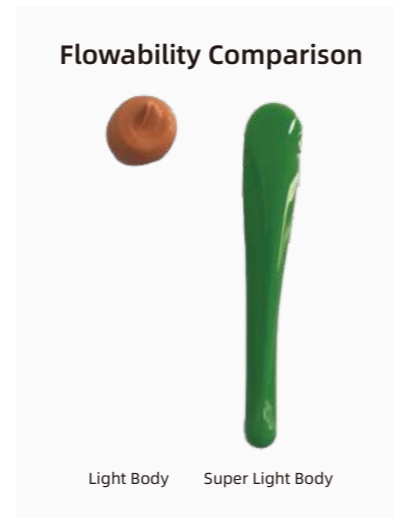
## Elastomeric Impression Material

### Indications

- Particularly recommended for full denture impressions.
- Recommended for use with tray material in two-step or one-step (simultaneous) impression techniques.

### Advantages

- Higher flowability than Light Body with excellent stability.
- High tear strength and tensile strength.
- Superior accuracy for precise detail reproduction.



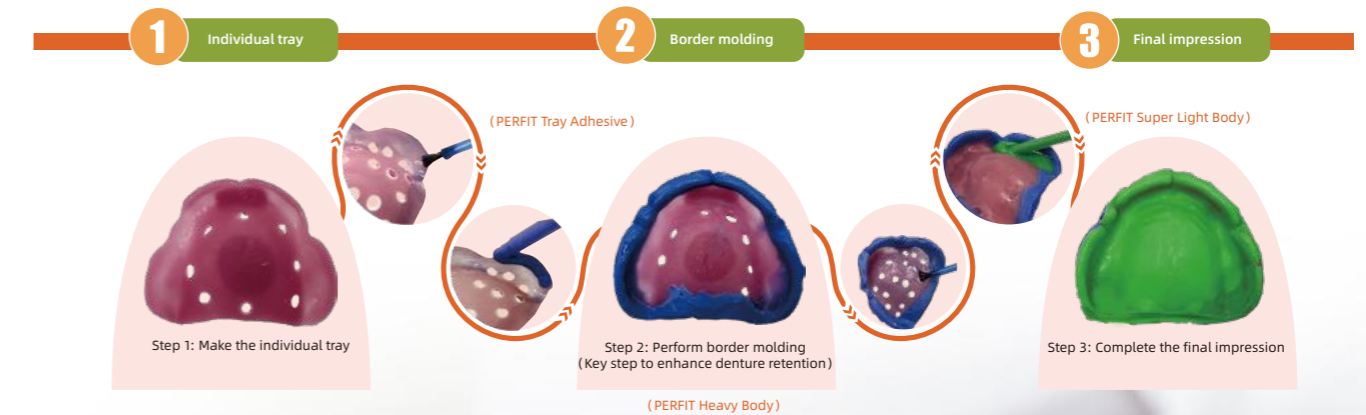
### Technical Parameters

Technical Parameter	Super Light Body
Type	Normal Set
Working Time	2min15s
Setting Time In Oral Cavity	3min30s
Elastic Recovery	>99.5%
Linear Dimensional Change (24 h)	<0.2%
Shore A Hardness (24 h)	≈56
Color	Dark Green
Shelf Life	3 Years

\*Data from HUGE laboratory



## Clinical Application



# Dental Impression Kit

## Elastomeric Impression Material

Widely used in online and clinical oral treatments, including clear aligner therapy, aesthetic dentistry, and the fabrication of sports mouthguards, supporting accurate and reliable impressions across various applications.

### HUGE Standard Package

- 25 g\*4 Putty Base + 25 g\*4 Putty Catalyst
- 2 Upper Trays + 2 Lower Trays
- 1 Instruction For Use



### Customized Solutions Available

HUGE provides end-to-end customization, covering formulation to packaging, to support diverse clinical and market needs.



Flavor



Consistency



Setting Time



Color



Packaging



Total Solution Provider



Rich Customized Options



Reliable Quality



# PERFIT Bite Registration

A-Silicone for Bite Registration **Scannable**

**90** Shore A  
High Hardness

## Indications

- For making bite registration.



## Advantages

- High finial hardness (90 Shore A) and accuracy
- High rigidity and easy trimming
- Fast setting time (Fast Set 45s)
- Whipped-cream-like consistency
- Scannable for digital workflows

## Technical Parameters

Technical Parameter	Bite Registration	
	Normal Set	Fast Set
Type	Normal Set	Fast Set
Working Time	30s	12s
Setting Time In Oral Cavity	1min30s	45s
Shore A Hardness (24 h)	90	
Color	Light Blue	
Shelf Life	2 Years	

\*Data from HUGE laboratory



### Packaging

50ml\*2 Cartridges



### Packaging

50ml\*2 Cartridges  
6 Mixers



# PERFIT Tray Adhesive

## Impression Accessory

### Indication

-To offer reliable adhesion between impression tray and silicone impression material.

### Advantages

- Suitable for A-Silicone and C-Silicone
- Easy to apply and handle
- Fast setting time after application
- Blue colour visual control

Technical Parameter	Tray Adhesive
Drying Time	3:00
Bonding Strength (30min)	0.2N/mm <sup>2</sup>
Color	Blue
Shelf Life	3 Years

\*Data from HUGE laboratory



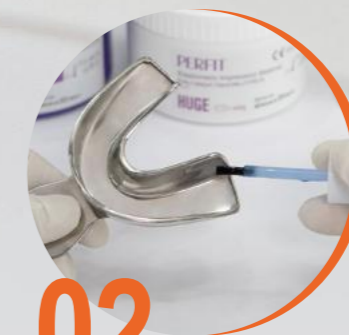
### Packaging

10ml Bottle

### Operation Guide

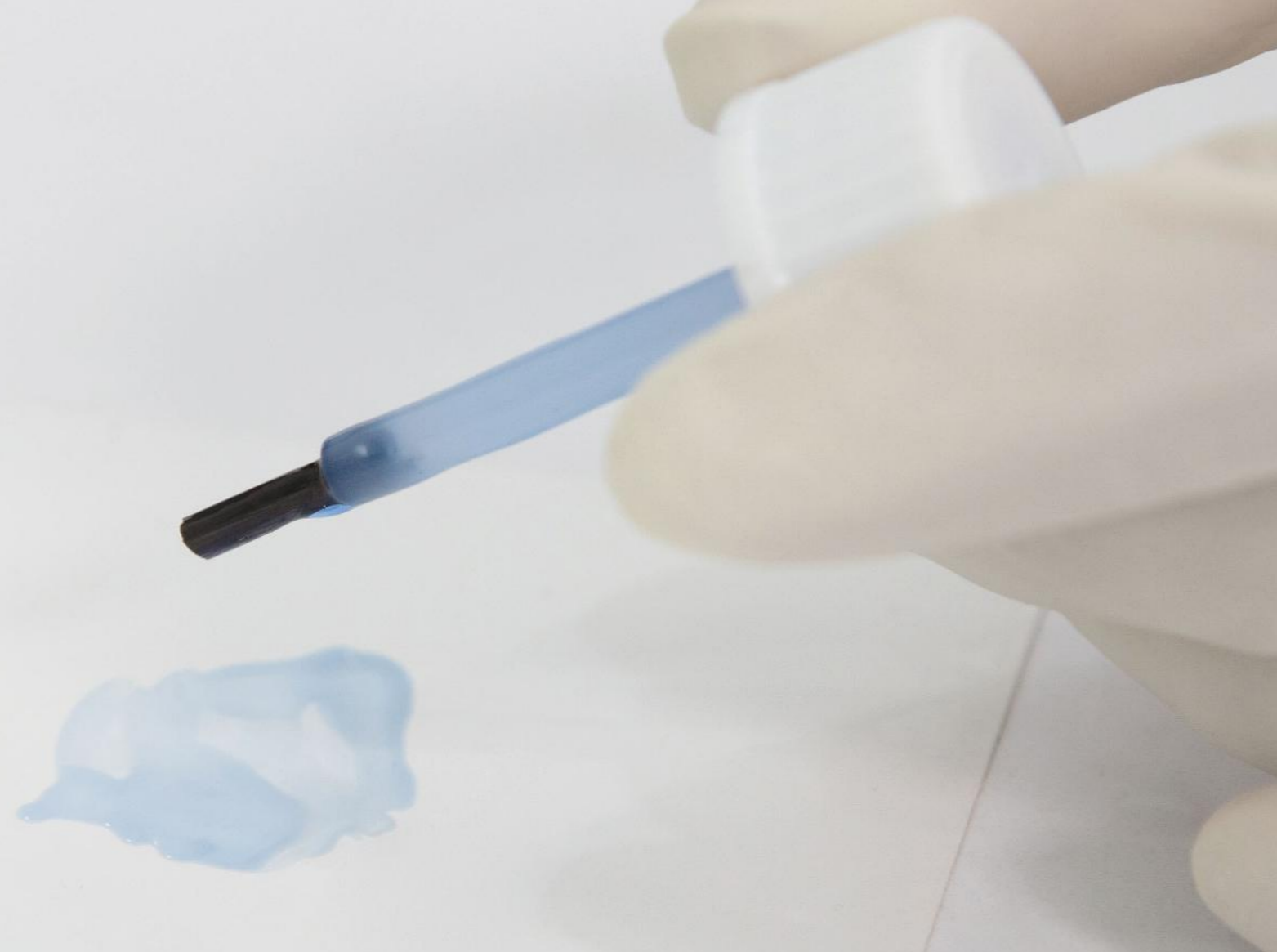


01










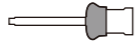






02

Apply a uniform layer of PERFIT Tray Adhesive onto the tray, dry for at least 3 minutes, then apply the silicone impression material.



# Overview of PERFIT Impression Materials

PERFIT	Consistency	Delivery System	Type of Setting		Hardness Shore A
			Normal Set	Fast Set	
<b>TRAY MATERIALS</b>					
PERFIT Putty	Type 0		■	■	67
PERFIT Heavy Body Dispenser-Mix	Type 1		■	■	68
PERFIT Heavy Body Auto-Mix	Type 1			■	68
PERFIT Regular Body-Transparent	Type 2			■	62
<b>MONOPHASE</b>					
PERFIT Monophase	Type 2		■		60
<b>WASH MATERIALS</b>					
PERFIT Light Body	Type 3		■	■	56
PERFIT Super Light Body	Type 3		■		56
<b>BITE REGISTRATION</b>					
PERFIT Bite Registration	/		■	■	90
<b>ACCESSORIES</b>			<b>SPECIFICATION</b>		
PERFIT Tray Adhesive	Accessory		10ML		
Grey Mixing Tips	Accessory		6+6 PCS	50 PCS	
White Mixing Tips	Accessory		6 PCS	50 PCS	
Silicone Cut	Accessory		1PC		
Dispensing Gun	Accessory		1 PC		
Automatic Mixer	Accessory		1 PC		

\*Data from HUGE lab.

# Applications of PERFIT Impression Materials

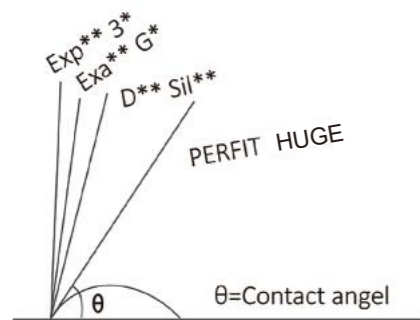
PERFIT	Impression Technique	Indications					
		Crown and Bridge Impressions	Inlay and Onlay Impressions	Implant Impressions	Functional (Full Denture) Impressions	Transparent Impressions	Bite Registration
Putty	Two Materials, Two Steps; Two Materials, One Step	■	■				
Heavy Body	Two Materials, Two Steps; Two Materials, One Step	■	■	■	■		
Regular Body (Transparent)	/					■	
Monophase	One Material, One Step	■	■	■			
Light Body	Two Materials, Two Steps; Two Materials, One Step	■	■	■	■		
Super Light Body	Two Materials, Two Steps; Two Materials, One Step				■		
Bite Registration	Bite Registration						■



# Proven Clinical Performance

Precision · Consistency · Reliability

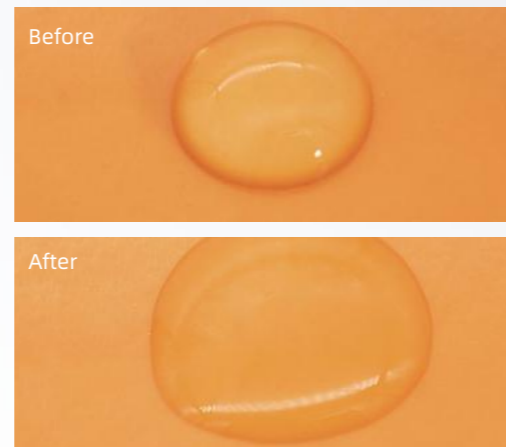
## Waterdrop Test ▼



Contact angles of Light body with different brands

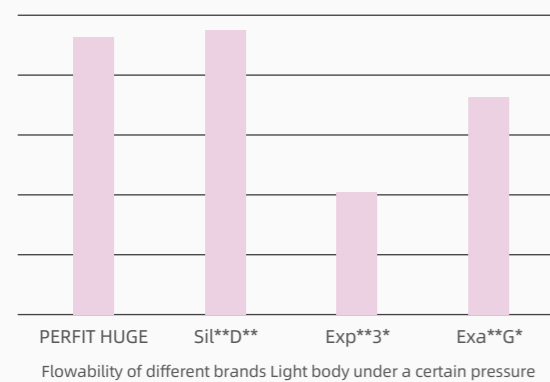
Excellent hydrophilicity helps obtain the details quickly and reduce the risk of bubble formation, thus guarantee a high level of precision.

Hydrophilicity test in 2 secs

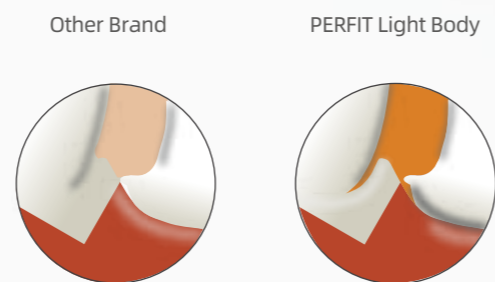


\*According to HUGE laboratory test results

## Flowability Test ▼



Flowability of different brands Light body under a certain pressure



\*According to HUGE laboratory test results

## Drip Test ▼

Outstanding thixotropy ensures a better clinical experience.

High flowability allows it to reach the less accessible spaces of the gingival sulcus.

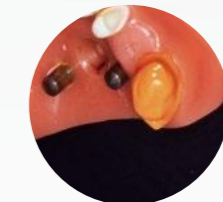


HUGE Sil\*\*D\*\* Exp\*\*3\* Exa\*\*G\*

PERFIT Light Body

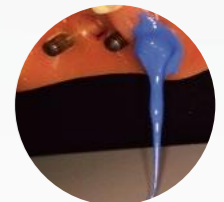


Thixotropy Test Under Static Condition



PERFIT Light Body

VS



Other Brand

\*According to HUGE laboratory test results

# Clinical Evaluation and Feedback

## PERFIT Heavy Body & Light Body



**88%** CLINICAL RATING

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**78%** CONSULTANTS WHO WOULD RECOMMEND TO A COLLEAGUE

### Specific Applications Solutions:

The Heavy Body & Light Body combination is ideal for implant restorations and full denture impressions. It supports accurate and stable results in complex cases, helping clinicians achieve predictable outcomes across a wide range of full-arch and implant procedures.



### Unique Benefits:

- High hydrophilicity for precise and reliable impressions.
- High tear strength and tensile strength.
- Excellent linear dimensional stability helps maintain impression accuracy for up to 4 weeks.
- Good biocompatibility, safe to use for patients

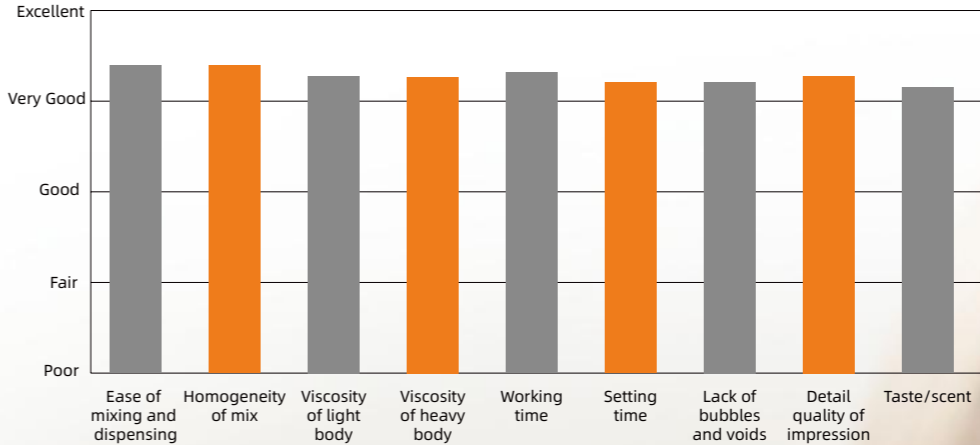


### Dental Advisor Evaluators' Comments

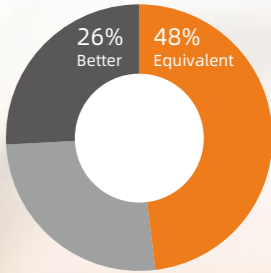
- "The ease of loading and consistency of this impression material are very good."
- "Great detail and handling. Excellent hydrophilic property."
- "The color of the light body made it easy to read margin details."
- "I loved the set-up time!"
- "Pretty good setting time"
- "Very clean impressions, easy to express, hydrophilic and worked with our impression tips that seemed to give less bubbles"

"GREAT DETAIL AND HANDLING. EXCELLENT HYDROPHILIC PROPERTY."

Evaluation Summary:



Compared to Competitive Products:



# GLASS IONOMER CEMENT



# Glass Ionomer Cement

A unified glass ionomer system for everyday restorative and luting needs.

Built on a strontium-based glass platform, the system delivers reliable radiopacity, stable mechanical performance, and predictable clinical results across multiple indications.



Indications		Luting I	Filling I	LuFill HS
Inlay/Onlay/ Crown/Bridge	Ceramic/Glass Ceramic	●		●
	Oxide Ceramic	●		●
	Metal/Metal-Based	●		●
	Composite Resin			
Post/Screw	Metal	●		●
	Oxide Ceramic	●		●
Orthodontic Bands		●		●
Primary Teeth			●	●
Class III, V and Limited Class I Cavities			●	●
Base Lining			●	●
Core Build-Up			●	●
Atraumatic Restorative Treatment			●	●
Cavity of Unstressed Area			●	●

# Glass Ionomer Cement

## Luting I

HUGE Luting I is a quick-set, biocompatible luting GIC with strontium-containing glass, providing reliable adhesion and long-lasting restorations.

### Advantages

- Sustained fluoride release for caries protection
- Strontium-enhanced radiopacity for clear X-ray visibility
- Chemical adhesion for excellent marginal sealing
- Optimal flow and film thickness for accurate seating
- Easy handling and clean-up

### Technical Parameters

Luting I	
Mixing Time	45s
Working time	2min10s
Net setting time	3min05s
Film thickness	12µm
Compressive strength	>150 MPa

\*Data from HUGE laboratory

### Packaging

- 30g powder + 25g liquid +1 measuring spoon + 1 mixing pad
- 10g powder + 10g liquid +1 measuring spoon + 1 mixing pad

### Product color after curing



**12±2 µm**  
Ideal Particle Size

# Glass Ionomer Cement

## Filling I

HUGE Filling I is a self-adhesive bulk-fill GIC with strontium-containing glass, offering clear radiopacity and long-lasting protection.

## Advantages

- Sustained fluoride release for caries protection
- Strontium-enhanced radiopacity for clear X-ray detection
- High compressive strength (> 180MPa) for lasting restorations
- Smooth handling with easy mixing
- Ideal particle size distribution
- Unique color system provides good aesthetic effect

## Technical Parameters

Filling I	
Mixing Time	45s
Working time	2min40s
Net setting time	2min30s
Compressive strength	>180 MPa

\*Data from HUGE laboratory

## Packaging

- 15g powder + 12g liquid +1 measuring spoon + 1 mixing pad
- 5g powder + 5g liquid +1 measuring spoon + 1 mixing pad

Available in Shade A1,A2,A3

\*HUGE unique color system



7.0  $\mu\text{m}$   
Average  
Particle Size

# Glass Ionomer Cement

## LuFill HS

LuFill HS is an upgraded high-strength, self-adhesive bulk-fill GIC featuring strontium-enhanced formulation, providing superior durability, reliable adhesion, and long-term clinical performance.

### Advantages

- Strontium-enhanced radiopacity for clear X-ray visibility
- High compressive (>200 MPa) and flexural strength for long-lasting durability
- Low solubility and high acid resistance for stable performance
- Sustained fluoride release for caries protection
- Smooth handling with easy mixing
- Vita shades: A2, A3, A3.5

### Technical Parameters

Technical Date	LuFill HS	
	For Luting	For Filling
Mixing Time	45s	45s
Working time	2min10s	3min30s
Net setting time	3min15s	2min30s
Film thickness	13µm	/
Compressive strength	/	>200MPa

\*Data from HUGE laboratory

### Packaging

- 30g powder + 25g liquid +1 measuring spoon + 1 mixing pad
- 10g powder + 10g liquid +1 measuring spoon + 1 mixing pad

Available in Shade A2,A3,A3.5

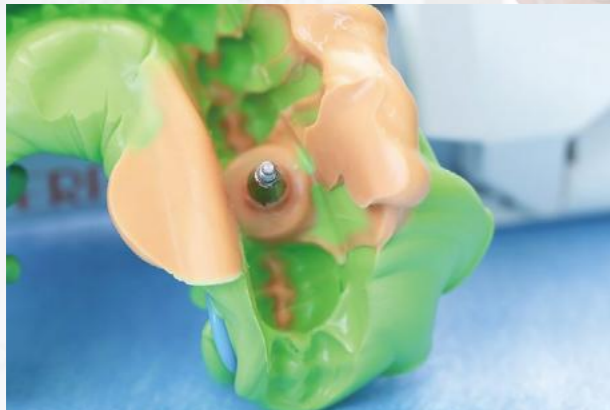
\*Vita color system



**>200MPa**  
Compressive Strength

# HUGE provides scenario-based solutions

HUGE is dedicated to clinical aesthetic restoration, providing dentists with a comprehensive portfolio of high-quality materials and professional clinical solutions.



**Implant Restoration Solutions**

HUGE focuses on implant solutions. From initial impressions to temporary restorations and final restorations, HUGE will be your most reliable partner.



**Prevention and caries infiltration**

Effective prevention is a priority, especially in the field of dentistry. HUGE has been focusing on the prevention of caries, especially the early protection of children's teeth.

## We are here for you. HUGE

- All products of HUGE brand are carefully produced, strictly controlled and certified.
- Please believe that we have the ability to provide you with safe, reliable and high-quality clinical products.

Welcome to visit HUGE official website and store:

[www.hugedental.com](http://www.hugedental.com)



# HUGE promises professional training

As a partner of dentists, HUGE aims to support you in all aspects, including product solutions and practice-related professional training activities.

With a professional R&D and clinical team, HUGE has carried out a variety of themed activities for clinical applications.



## All Knowledge. All Free.

HUGE provides a variety of educational videos and live online courses, introducing HUGE's products and scientific background, and providing professional operation guidance.



Contact us for more details if you want to know.

<p>HUGE Regular Body(Transparent) Operation Guide 2</p>	<p>HUGE Regular Body(Transparent) Operation Guide 1</p>	<p>Huge Clear Aligner OEM Service</p>	<p>HUGE Bite Registration Silicone Operation Guide</p>