HUGE

PERFIT
Heavy Body-Clear

Clear Vinyl Polysiloxane Material



Your Comprehensive Digital Dentistry Partner

PERFIT Heavy Body-Clear

Innovative Clear Vinyl Polysiloxane Material

PERFIT Heavy Body-Clear is ideally suited for both chair side and laboratory use, the injection moulding technique and clear stent fabrication for creation of provisional and permanent restorations.

Applications

· Clear matrix for composite injection molding technique

· Occlusal stamp for composite restorations

· Indirect transfer of orthodontic brackets

. Tray material for preliminary impressions

Technical Data	Heavy Body-Clear
Working Time	45"
Intra-oral Setting Time	*2'00"*
Extra-oral Setting Time (23°C)	*7'00"*
Shore A Hardness (24h)	68
Linear Dimensional Change	0.2%
Elastic Recovery	99.5%
Tear Strength	27.1 kN/m
Tensile Strength	6.2 MPa
Color	Clear
Shelf Life	3 years

*Data from HUGE lab



Extreme Transparency

91.68% light transmission for enhanced visibility

Optimal Working & Setting Time

Balanced timing for efficient clinical procedures

Ideal Rigidity

Stable shape retention and accurate positioning

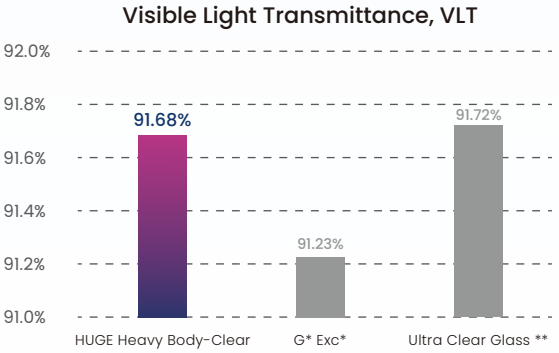
High Aesthetic Results

Precise adaptation and excellent detail reproduction

Extreme Transparency

With exceptional transparency, HUGE Heavy Body-Clear facilitates light transmission through the silicone matrix, supporting efficient light curing of composite materials for predictable aesthetic restorations.





*Comparison conducted under identical sample thickness (2 mm) and lighting conditions.
**Ultra-clear glass was used as the reference material. The measured value is lower than the theoretical value due to light absorption within the glass and surface reflection losses (approximately 4% reflection loss per surface, ~8% total).



G* Exc*



HUGE Heavy Body-Clear



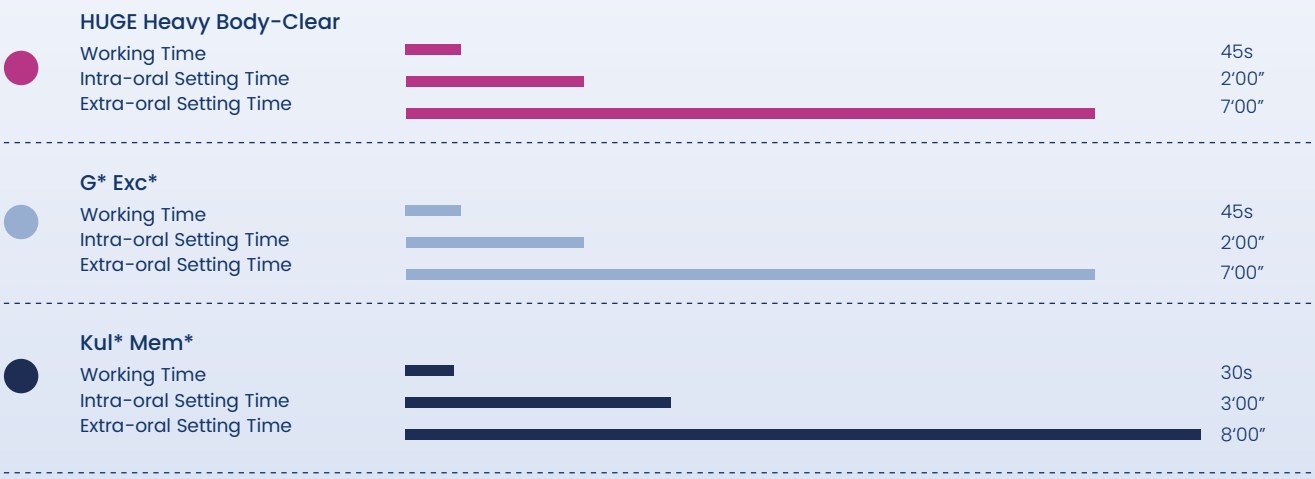
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HUGE Heavy Body-Clear

Optimal Working & Setting Time

Balanced working and setting times provide clinicians with sufficient handling time for precise manipulation, while enabling efficient procedures through predictable and timely setting performance.

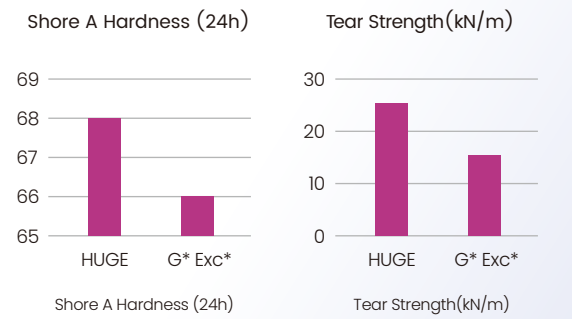


Ideal Rigidity

High rigidity and excellent dimensional stability maintain the accuracy of the clear silicone matrix and prevent deformation during restoration procedures.

Beginner-Friendly

The stable matrix supports precise restoration outcomes, improves workflow efficiency, and reduces chair time — helping clinicians achieve predictable aesthetic results with confidence, even with limited experience.



Clinical Excellence Showcased Through Real Cases

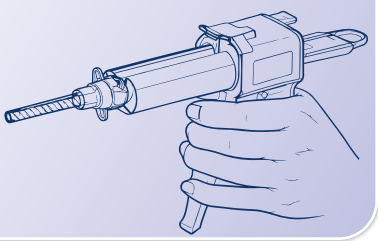


Clear Silicone Case

Discover the Injection Moulding Technique

Achieve predictable aesthetic outcomes in veneer restorations with a transparent silicone matrix for precise composite placement.

- Real-time visualization during injection
- Excellent light transmission for efficient curing
- Accurate adaptation with reduced microleakage



PERFIT Heavy Body-Clear

Chairside & Labside Application



1. Flowable injection technique（Mock-up restoration）

Suitable for anterior aesthetic restoration (e.g., veneers), multiple posterior composite restorations, full occlusal reconstruction, pediatric multiple caries restoration, and laboratory-assisted restoration fabrication.



1. Prepare the teeth



2. Finish restoration with wax on plaster model or use the 3D printed model directly



3. Apply Heavy Body-Clear onto the tray



4. Apply Heavy Body-Clear onto the model



5. Use Heavy Body-Clear to make transparent matrix



6. Fill the space with light-curing resins

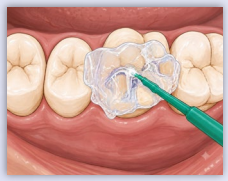


7. Light cure the resin materials



8. Finish restoration after polishing

2. Occlusal stamp for composite restorations



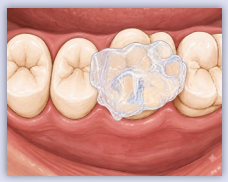
1. Apply Heavy Body-Clear to make transparent stamp



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 transfer of orthodontic brackets



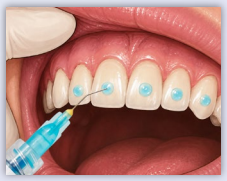
1. Bond the brackets to the plaster model temporarily



2. Apply Heavy Body-Clear to make transparent matrix



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

Compatible Products for Clinical Applications

PERFIT Heavy Body-Clear
Clear Vinyl Polysiloxane Material



Ultra-clear A-silicone material with excellent light transmission

P-Etchant
Phosphoric Acid Etching Gel



37% Phosphoric acid etchant with ideal consistency for accurate placement

HugeBond Universal
Light Cure Dental Adhesive



8th generation universal adhesive with reliable bonding performance

TrusFIL-Flow
Flowable Composite Restorative



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

Packaging

PERFIT Heavy Body-Clear

Standard	50ml*2 Cartridges
Kit	50ml*2 Cartridges 6 Mixing Tips



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