GLASS IONOMER CEMENT

HUGE Glass Ionomer Cement

Effortless Application

· No etching or bonding required for fast, easy, and simple application
· Easier to clean than resin-bonded materials
· X-ray resistant for convenient follow-up and diagnosis

Exceptional Physical Properties

· Durable physical properties, high acid resistance, and low oral solubility
· Optimum thixotropy and ideal film thickness for even application and stable coverage
· Chemically bonds to tooth structure for excellent edge sealing

Superior Biocompatibility

· Excellent biocompatibility and good tissue response
· Ensures little postoperative sensitivity and good pulp response
· Resin-free, suitable for patients with resin allergies
· Ideal for pediatric, geriatric, and special needs patients

Cost-Effective Excellence

· Affordable and reliable, suitable for widespread use

Technical Date	Luting I	LuFill HS		Filling I
		For Luting	For Filling	
Mixing time	45s	45s	45s	1min
Working time	2min10s	2min10s	3min00s	2min20s
Net setting time	3min05s	3min15s	2min45s	2min45s
Film thickness（μm）	12	13	/	/
Compressive strength（MPa）	/	/	> 200	> 180

* All data from HUGE laboratory

Universal Enhanced Glass Ionomer System:

Effortless Efficiency for Clinical Success!

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YOUR PARTNER IN PROSTHETIC DENTISTRY

HUGE

HUGE Glass Ionomer Cement

HUGE Glass Ionomer Cement (GIC) a unique system that includes adhesive cement and glass ionomer restorative materials, truly realizes a comprehensive system of high-performance clinical products. Filling I, Luting I and LuFill HS will meet all needs for aesthetic restorations and bonding. Unique new formulation provides excellent aesthetics, translucency, long-lasting anti-caries resistance and stability. HUGE is committed to the research of glass ionomer material science to promote the development and popularization of the global...

Glass Ionomer Cement LuFill HS

LuFill HS is HUGE's new upgraded product. It is an excellent self-adhesive, bulk glass ionomer cement that guarantees reliable and lasting restorations. The high strength product performance makes this product perform well in routine clinical restoration.

·Multifunctional——achieve all functions of Luting I and Filling I

·Ideal paediatric & geriatric restorative

EXCELLENT PERFORMANCE

· Ideal particle size, easy mixing and good operating experience

· **High compressive (>200MPa) and flexural strengths** assure durability, longevity, and integrity

· Durable physical properties, high acid resistance and low oral solubility

· Continuous fluoride ion release ability to prevent secondary dental caries

· X-ray resistance

CLINICAL OPERATION FOR FILLING

1. Prepare the tooth
2. Apply the conditioner
3. Take powder and liquid, mixing ratio 1:1
4. Mix the powder and liquid
5. Fill and trim
6. Waterproof treatment
7. Finish

TECHNICAL PARAMETERS

Technical Date	LuFill HS	
	For Luting	For Filling
Working time	2min10s	3min00s
Net setting time	3min15s	2min45s
Film thickness	13μm	/
Compressive strength	/	>200MPa

* All data from HUGE laboratory

LuFill HS

Standard: 30g Powder+25g Liquid

Mini: 10g Powder+10g

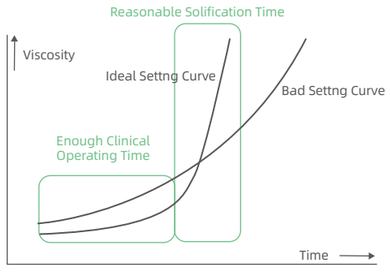
VITA color system: A2 A3 A3.5

Glass Ionomer Cement Filling I

Filling I is an excellent self-adhesive, bulk glass ionomer cement that guarantees reliable and lasting restorations. Based on HUGE's proven filling application technology, Filling I provides stable performance and excellent operation experience. Sustained release of fluoride ions can prevent the occurrence of secondary caries. In addition, due to the good bio-compatibility of the material, postoperative allergic reactions are almost eliminated.

ADVANTAGES

Reasonable setting curve well balances the time and viscosity, which guarantees the solidification happens in right operation time. As can be seen in the figure, the setting curve of HUGE GIC is relatively steep, which means the materials cured quickly in the patients mouth, minimizing the saliva contamination significantly.



SUITABLE FOR A MULTITUDE OF CLINICAL CASES

DIRECTIONS FOR OPERATION

Prepare the tooth | Apply conditioner | Take powder and liquid, mixing ratio 1:1 | Mix the powder and liquid | Fill and trim | Waterproof treatment | Finish

Filling I

Standard: 15g Powder+12g Liquid

Mini: 5g Powder+5g Liquid

HUGE color system: A1 A2 A3

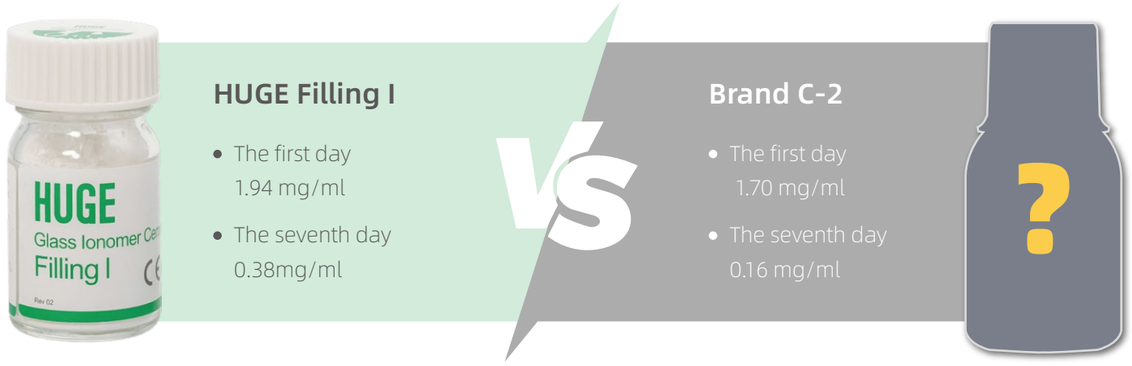
Glass Ionomer Cement Filling I

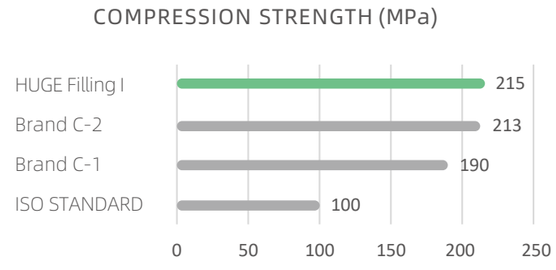
COMPARED WITH OTHER COMPETITORS:

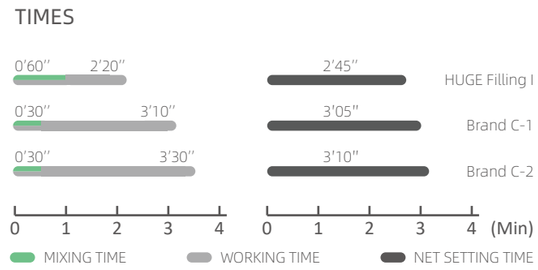
Product	Mixing Time	Working Time	Net Setting Time	Compression Strength
HUGE Filling I	<60s	2min20s	2min45s	>180MPa
G* FU*	<40s	3min10s	3min05s	>180MPa
G* FIX*	<30s	3min30s	3min10s	>180MPa
SH* F*	<40s	2min25s	2min35s	>180MPa

* Data from HUGE laboratory

Excellent glass ionomer material provides high fluoride release for increased defense against dental cavities. At the same time, this advantage can last for a long time.







* Data from HUGE laboratory

Glass Ionomer Cement Luting I

Luting I is a truly bio-compatible, quick-set, contemporary luting glass ionomer that guarantees reliable and lasting restorations.

Based on HUGE's proven self-adhesive bonding technology, Luting I provides stable performance, good flow, easy handling, promotes remineralization, improves acid resistance and reduces solubility through antimicrobial properties, while virtually eliminating post-operative hypersensitivity reactions.

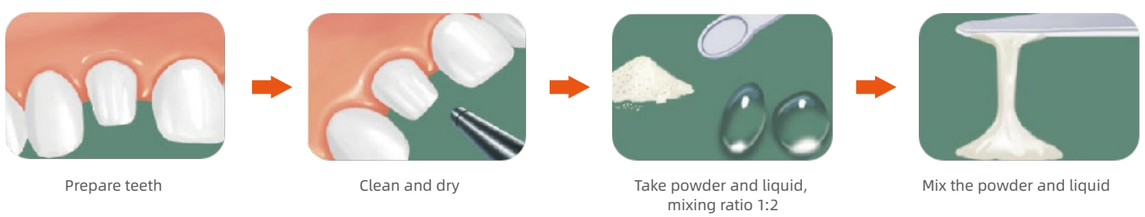
SUITABLE FOR A MULTITUDE OF CLINICAL CASES

Indication		Luting I
Inlay/Onlay/ Crown/Bridge	Ceramic/Glass Ceramic	√
	Oxide Ceramic	√
	Metal/Metal-Based	√
	Composite Resin	
Post/Screw	Metal	√
	Oxide Ceramic	√
Orthodontic Bands		√

ADVANTAGES

·Chemically bond to tooth structure for excellent edge sealing
·Excellent bio-compatibility and good tissue response
·Optimum thixotropy and ideal film thickness (12μm)
·Excellent bonding strength (>6MPa)
·Easier to clean than resin-bonded materials

DIRECTIONS FOR OPERATION



Glass Ionomer Cement Luting I

COMPARED WITH OTHER COMPETITORS

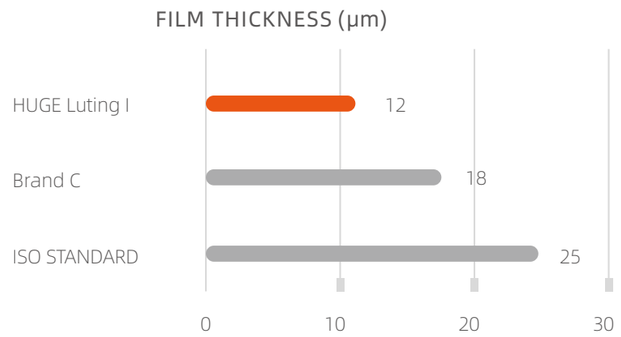
Product	Mixing Time	Working Time	Net Setting Time	Film Thickness
HUGE Luting I	45s	2min10s	3min05s	12μm
G* FU*	20s	2min40s	2min30s	18μm
3* Ke *	18s	3min02s	3min30s	22μm
VO**Me*	30s	2min17s	4min00s	25μm

* Data from HUGE laboratory

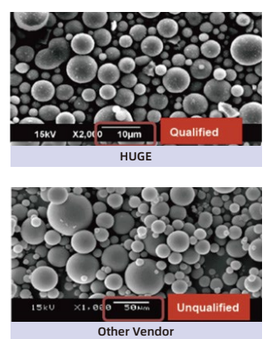
Compared with brand C, HUGE Luting I not only provides the same applications, but also has the function of bonding in orthodontic restoration.

IDEAL FILM THICKNESS

The ideal film thickness will allow the restoration to perfectly fit the abutment without causing clinical elevation.The ISO standard is less than or equal to 25um. The lower the data, the higher the clinical application value.



* Data from HUGE laboratory



Luting I

Standard: 30g Powder+25g Liquid

Mini: 10g Powder+10g Liquid

color: /