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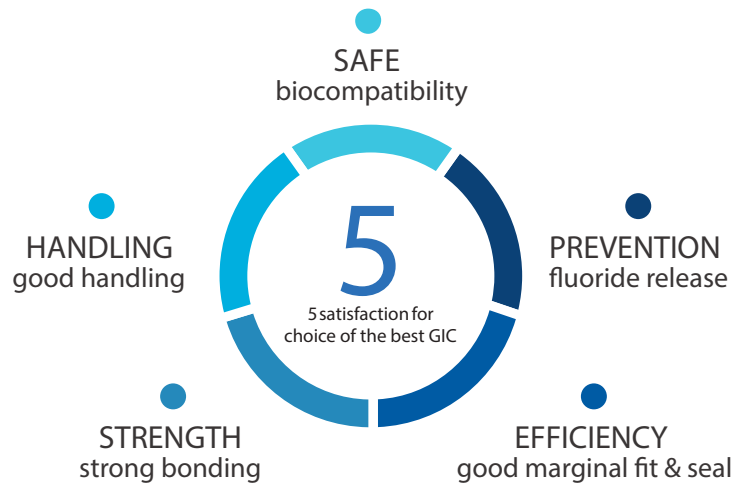
Smart Choice to use GLASS IONOMER CEMENTS

What is the solution to choice of GLASS IONOMER CEMENTS?


Protect
the tooth
structure?


Protect the
prosthetic
restoration?

The answer is uniGlass! We first consider 5 satisfactions for choice of the best GIC to make uniGlass.



Product at a Glance

CONVENTIONAL GI CEMENTS		RMGI CEMENTS			
Luting	uniGlass Cem Conventional Glass Ionomer Cement		Luting	uniGlass Plus Cem Resin-Modified Glass Ionomer Cement	
Filling	uniGlass Fil Conventional Glass Ionomer Cement		Filling	uniGlass Fil LC Resin-Modified Glass Ionomer Cement	

	Conventional Glass Ionomer		Resin-modified Glass Ionomer	
	uniGlass Cem	uniGlass Fil	uniGlass Plus Cem	uniGlass Fil LC
Shade	Light yellow	A2, A3, A3.5, B2	Light yellow	A2, A3, A3.5, B2
Mixing Time	30 sec	30 sec	30 sec	30 sec
Working Time	1 min 30	1 min 30	2 min 30	2 min
Net Setting Time	5 min	3 min 30	4 min 30	4 min 30
Light Curing Time			20 sec	20 sec
Mixing Ratio (P+L)	1 (s) + 2 (d)	1 (s) + 1 (d)	1 (s) + 3 (d)	1 (s) + 2 (d)



uniGlass Cem

Conventional Glass Ionomer Cement

uniGlass Cem is a novel glassionomer luting cement with improved physical properties. Besides its high fluoride release and excellent biocompatibility as glassionomer cement, uniGlass has also good chemical bonding to dentine and enamel and to the restoration and a tight seal at the dentinal margins. Because of its radiopacity, it ensures easy postoperative diagnosis.

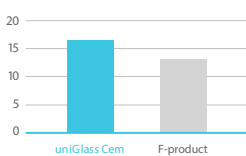
KEY Clinical Advantages

1. perfect consistency
2. reduced solubility
3. radiopacity
4. low shrinkage
5. good biocompatibility
6. high fluoride release
7. perfect film thickness
8. good marginal fit and seal
9. reliable and convenient

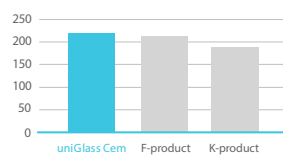
Clinical Application

	crown/bridge	inlay/onlay	liner
metal	•	•	
resin	•	•	
ceramic	•	•	
composite			•

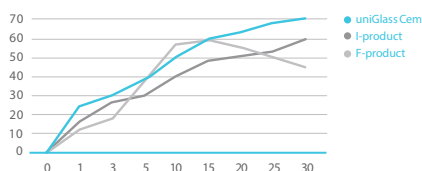
Flexural Strength



Compressive Strength



Fluoride Release



uniGlass Plus Cem

Resin-Modified Glass Ionomer Cement

uniGlass Plus Cem is a light cured resin reinforced glassionomer luting cement. Besides its excellent fluoride release and the excellent biocompatibility as glassionomer cement, uniGlass Plus Cem has also good chemical bonding to dentine and enamel and to the restoration and a tight seal at the dentinal margins. Because of its radiopacity, it ensures easy postoperative diagnosis.

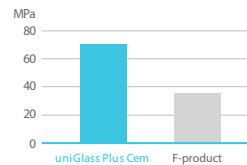
KEY Clinical Advantages

1. ultrafine fillers
2. nano-fluorapatite
3. dual Cure
4. excellent bonding to dentine
5. radiopacity
6. higher surface hardness than classical glass ionomer cements
7. low shrinkage
8. good biocompatibility
9. virtually insoluble
10. fluoride release
11. low film thickness
12. good marginal fit and seal
13. fast setting
14. reliable and convenient
15. good handling

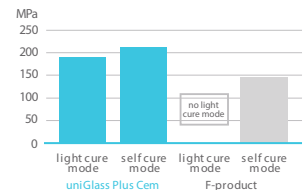
Clinical Application

	crown/bridge	inlay/onlay	liner
metal	•	•	
resin	•	•	
ceramic	•	•	
composite			•

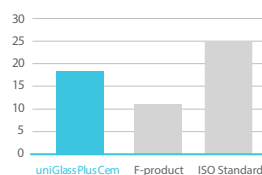
Flexural Strength



Compressive Strength



Film Thickness





2 uniGlass Fil Conventional Glass Ionomer Cement

uniGlass Fil is a classical restorative glassionomer cement with good physical properties. Besides its excellent fluoride release and excellent biocompatibility as glassionomer cement, uniGlass Fil also has good chemical bonding to dentine and enamel and tight seal at the dentinal margins. Therefore it requires no enamel and dentin etching. Because of its radiopacity, it ensures easy postoperative diagnosis.

KEY Clinical Advantages

1. high surface hardness
2. high fluoride release
3. reduced solubility
4. radiopacity
5. easy to polish
6. good marginal fit and seal
7. esthetic final results
8. good biocompatibility
9. good handling

LC uniGlass Fil LC Resin-Modified Glass Ionomer Cement

uniGlass Fil LC is a light cure resin reinforced glassionomer cement. Besides its excellent fluoride release and the excellent biocompatibility as glassionomer cement, uniGlass Fil LC also has good chemical bonding to dentine and enamel and a tight seal at the dentinal margins. Because of its radiopacity, it ensures easy postoperative diagnosis.

KEY Clinical Advantages

1. ultrafine fillers
2. easy to polish
3. dual cure
4. excellent bonding to dentine
5. radiopacity
6. higher surface hardness than classical glassionomer cements
7. low shrinkage
8. good biocompatibility
9. high fluoride release
10. esthetic final results
11. good marginal fit and seal
12. reliable and convenient
13. good handling

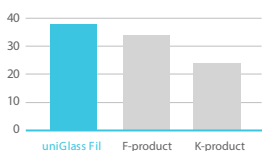
Clinical Application

	Class I	Class II	Class V	primary	temporary	liner	Core-build up
filling	●	●	●	●	●		
composite						●	
etc							●

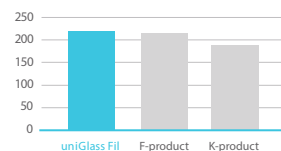
Clinical Application

	Class I	Class II	Class V	primary	temporary	liner	Core-build up
filling	●	●	●	●	●		
composite						●	
etc							●

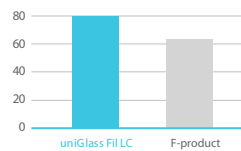
Flexural Strength



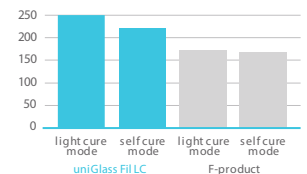
Compressive Strength



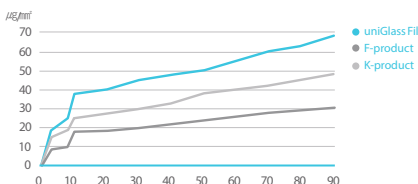
Flexural Strength



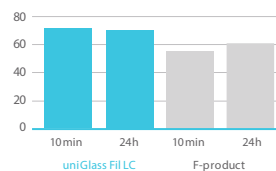
Compressive Strength



Fluoride Release



Barcol Hardness



■ Glass Ionomer Cements



■ More Products...



B St-Bite Fast setting and extra hard bite registration

St-Bite is an extra hard and fast setting bite registration material.

■ KEY Clinical Advantages

1. fast setting time (□60sec)
2. excellent hardness (Shore-A hardness : 93)
3. easy cutting and contouring
4. cartridge delivery system
5. easy taking intraoral registration thanks to good thixotropicity
6. easy removal

F F-Checker A-silicone fit checker

F-checker made of A-silicone is for fit checking of denture, crown, ceramic, occlusal contact. KEY Clinical Advantages

■ KEY Clinical Advantages

1. suitable flowability
2. low film thickness
3. easy removal
4. excellent accuracy
5. cartridge delivery system

Smart Choice to use GLASS IONOMER CEMENTS &



uniGlass Cem

KIT powder 35g liquid 20ml
REFILL powder
REFILL liquid



uniGlass Plus Cem

KIT powder 15g liquid 10ml LC Glass Prime 3ml
REFILL powder
REFILL liquid
REFILL LC Glass Prime



uniGlass Fil

KIT A2 powder 15g liquid 8ml
KIT A3 powder 15g liquid 8ml
KIT A3.5 powder 15g liquid 8ml
KIT B2 powder 15g liquid 8ml
REFILL powder A2 / A3 / A3.5 / B2
REFILL liquid



uniGlass Fil LC

KIT A2 powder 15g liquid 8ml
KIT A3 powder 15g liquid 8ml
KIT A3.5 powder 15g liquid 8ml
KIT B2 powder 15g liquid 8ml
REFILL powder A2 / A3 / A3.5 / B2
REFILL liquid



LC GIC Coat

5ml bottle



Ionomer Conditioner

20ml bottle



LC Glass Prime

3ml bottle



St-Bite

Cartridge 50ml x 2



F-Checker

Cartridge 50ml x 2