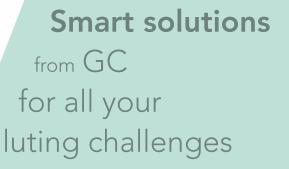
Let's Join Forces!



,'GC,'

How to choose the optimal luting cement?

Today more than ever you are spoilt for choice when planning and delivering indirect restoration. From the moment your patient comes in, you have much to consider before deciding on the treatment plan. As a dentist you know that no two patients are alike and it is therefore important to follow a holistic approach in treatment planning considering the choice of indirect restoration and type of preparation which is best suited to the patient's clinical situation.

An important part of this process is choosing the right luting cement

The key questions you should ask before making the final choice are: Which is the optimal luting cement to help me



The selection of the optimal luting cement is the guarantee for a beautiful smile and long-term patient satisfaction

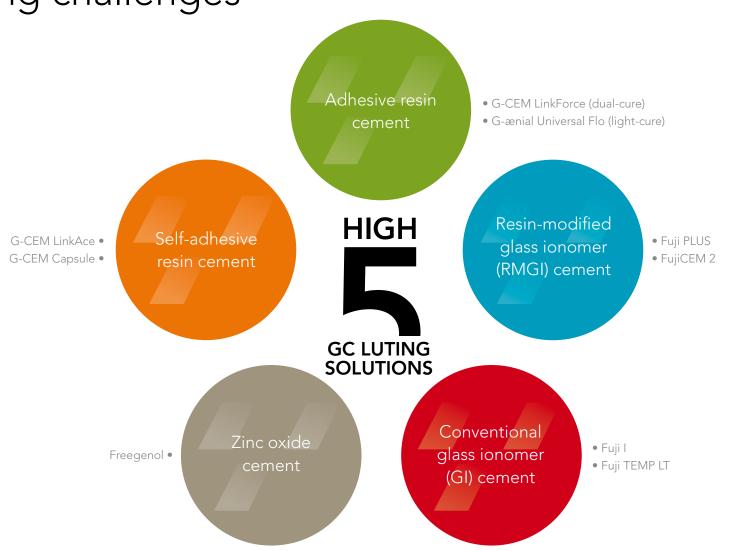
Discover our High 5 solutions for all your luting challenges

With more than 95 years of experience and one of the most comprehensive product portfolios, we at GC believe we are the ideal partner to guide you towards the most appropriate luting solution.

Because after all, efficient luting is a team effort.

Each of the GC luting solution is suited to different clinical situations and offers you their unique features like physical properties, working time, protocol of use, fluoride release and cost...

Let's Join Forces!





Depending on the clinical situation, the first question you should ask yourself is: Should I CEMENT or BOND?

When to cement?

Cementation is typically used when your preparations allow mechanical retention. The following clinical aspects will define your choice for the optimal CEMENTATION procedure:



Your options

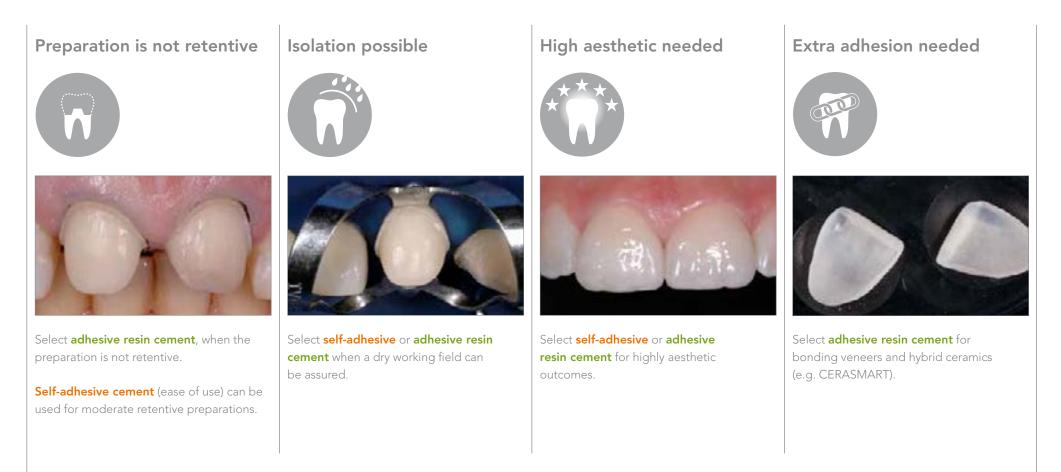
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Conventional glass ionomer (GI) cement | GC's solution: **Fuji I** Resin-modified glass ionomer (RMGI) cement | GC's solutions: **Fuji PLUS** and **FujiCEM 2** "Most of the time the margins of the preparation are subginigival and total control of humidity proves to be difficult!"

DR. LUCILE DAHAN, FRANCE

When to bond?

Bonding is typically used when extra adhesion is required or when aesthetics are of the utmost importance.



Your options

Self-adhesive resin cement | GC's solutions: G-CEM LinkAce and G-CEM Capsule Adhesive resin cement | GC's solutions: G-CEM LinkForce (dual-cure) and G-ænial Universal Flo (light-cure)

Discover all of our luting solutions!

With one of the most comprehensive luting portfolios, we at GC can help you maintain your patient's smile.



Our solutions for permanent cementation

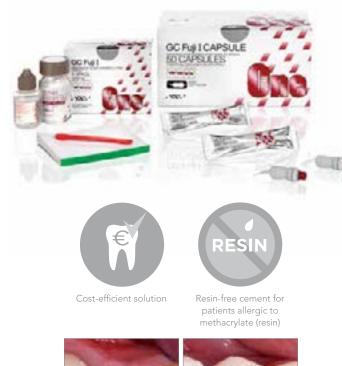


Our solutions for temporary cementation



GC Fuji I

Conventional Glass Ionomer cement





Good solution for cementation on implant abutments. Easy removal of excesses considerably reduces the risk of peri-implantitis.

Source: Dr. Emmanuel d'Incau, France

The biocompatible, resin-free luting solution with 25 years of great clinical success. Fuji I, GC's first luting GI cement, is widely used across the world. Discover why Fuji I is still a material of choice.

Key clinical advantages

- Chemical adhesion to tooth structure, ensuring an excellent marginal seal
- Moisture-tolerant solution when a dry field cannot be assured
- Quick and easy without the need for etching and bonding steps of the tooth
- Resin-free cement for patients allergic to methacrylate (resin)
- Virtually **no post-operative sensitivity:** a pulp friendly solution

Practical advantages

• Cost efficient and easy-to-use solution for metal-based-restorations

• Economic consideration: $\in \in \in \in \in \in$

Clinical applications

	Metal / PFM	Zirconia / Alumina
Inlays / onlays	•	N.A.
Crowns / bridges	•	•
Posts/ inlay cores	•	-

"Fuji I is perfectly indicated for the permanent cementation of fixed elements on implant abutments. The removal of excess is simple and easy to control, thereby reducing the risk of peri-implantitis." DR. EMMANUEL D'INCAU, FRANCE

GC Fuji PLUS

Resin-Modified Glass Ionomer cement





Easy removal of excess

Predictable and worry-free solution

Efficient and proven over 20 years - a predictable, worry-free solution.

GC Fuji PLUS is one of the most well-known products and it is considered a benchmark material in its class, offering the tooth protection of a glass ionomer cement balanced with the strength and aesthetics of a resin cement.

Key clinical advantages

- Chemical adhesion to tooth structure, ensuring an excellent marginal seal
- Moisture-tolerant solution when a dry field cannot be assured
- Quick and easy: no need for etching and bonding of the tooth
- Rubbery consistency for easy removal of excess
- Virtually **no post-operative sensitivity:** a pulp friendly solution

Practical advantages

- Proven and predictable performance for most routine cases
- Available in different shades
- Also available in extended working time (EWT) version for long-span bridges
- Economic consideration: $\in \in \in \in \in \in$

Clinical applications

	Metal / PFM	Feldspathic / leucite ceramics*		Zirconia / Alumina	Composite / Fibre- reinforced resin
Inlays / onlays	•	• (inlays)	•	N.A.	•
Crowns / bridges	•	-	•	•	•
Posts/ inlay-cores	•	N.A.	N.A.	•	•

"Our office has been using Fuji Plus for almost 2 decades. I don't remember any failure yet and we have cemented more than 5000 crowns & bridges!" DR. HAN HEESEN, NETHERLANDS

* Feldspathic & leucite-reinforced ceramics

Source: Dr. Emmanuel d'Incau, France

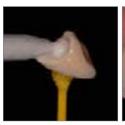
GC FujiCEM 2

Resin-Modified Glass Ionomer cement



Handmix

Automix



3 5

Easy dispending

Easy removal of excess

Source: Dr. Frédéric Raux, France

Simplicity is innovation! The first resin-modified glass ionomer cement in paste-paste delivery form. This easy-to-use and versatile luting cement is your perfect partner for most of your routine cementation.

Key clinical advantages

- Chemical adhesion to tooth structure, ensuring an excellent marginal seal
- Moisture-tolerant: a "must-have" when moisture control cannot be guaranteed
- Quick and easy: no need for etching and bonding of the tooth
- Rubbery consistency for **easy removal of excess**
- Virtually **no post-operative sensitivity:** a pulp friendly solution

Practical advantages

• Choose from handmix or automix: the choice is yours!

• Economic consideration: $\in \in \in \in \in \in$

Clinical applications

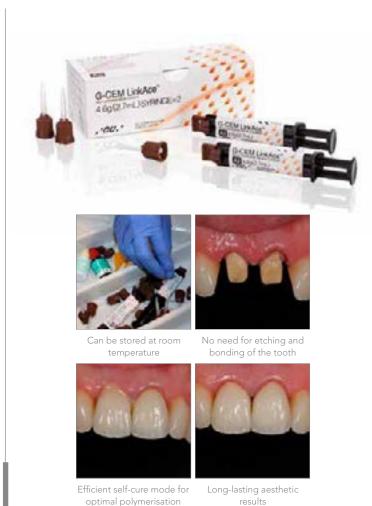
	Metal / PFM	Feldspathic / leucite ceramics*	Lithium disilicate	Zirconia / Alumina	Composite / Fibre- reinforced resin
Inlays / onlays	•	● (inlays)	•	N.A.	•
Crowns / bridges	•	-	•	•	•
Posts/ inlay-cores	•	N.A.	N.A.	•	•

"Why choose a very technique-sensitive bonding procedure when you can have the fantastic chemical bond to dentin, marginal seal and strength of a resin-modified glass ionomer cement? FujiCEM 2 is easy, fast and reliable." DR. JAVIER TAPIA, SPAIN

* Feldspathic & leucite-reinforced ceramics

GC G-CEM LinkAce

Self-adhesive resin cement



Looking for the best results even when light cannot pass through

the restoration? Choose our G-CEM LinkAce featuring highly efficient self-cure for predictable results every time! Thanks to its unique initiator and filler particles, it offers reliable bonding, long-term colour stability and high wear resistance.

Key clinical advantages

- Efficient self-cure mode guarantees optimal polymerization even under opaque or thick restorations
- No pre-treatment of tooth or application of primers for metal or zirconia
- Thin film thickness (3µm) ensures an **excellent fit of the prosthesis**
- Excellent colour stability for long-lasting aesthetic results

Practical advantages

- Easy-to-use resin cement, fulfilling most of your daily aesthetic challenges
- Refrigeration not needed, store at room temperature
- Economic consideration: $\in \in \in \in \in \in$

Clinical applications

	Metal / PFM	Feldspathic / leucite ceramics*	Lithium disilicate	Zirconia / Alumina	Composite / Fibre- reinforced resin
Inlays / onlays	•	•	•	N.A.	•
Crowns / bridges	•	•	•	•	•
Posts/ inlay-cores	•	N.A.	N.A.	•	•

"I use this cement most of the time for zirconia and ceramic restorations. I particularly love the fact that it is a dual-cure material with an excellent self-cure feature, ensuring high polymerisation even when transmission of light is limited. The material also offers aesthetic results and is easy to use!" DR. ANJA BARABA, CROATIA

* Feldspathic & leucite-reinforced ceramics

Source: Dr. Frédéric Raux, France

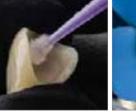
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GC G-CEM LinkForce

Dual-cure adhesive resin cement







One universal primer for stable adhesion to all substrates

Easy seating and perfect adaptation thanks to a very low film thickness

Source: Dr. Antonio Saiz-Pardo, Spain

Strength and aesthetics in one system for all indications, all substrates

G-CEM LinkForce is the universal adhesive resin cement that is ideal to use whenever additional retention is needed and a must-have for all CAD/CAM ceramic and hybrid ceramic blocks such as CERASMART.

Key clinical advantages

- Secure adhesion in all situations with only one system, three base elements:
- G-Premio BOND bonds to ALL Preparations with no compromises
- G-Multi Primer ensures a stable adhesion to ALL Restorations
- G-CEM LinkForce provides a strong link in ALL Indications
- Optimal light-curing feature for veneer indications
- Efficient self-cure mode, useful for luting more opaque or thick restorations

Practical advantages

- The universal, aesthetic and powerful solution to all your adhesive cementation challenges
- Choice of four aesthetic shades and their corresponding try-in pastes
- Economic consideration: $\in \in \in \in \in \in$

Clinical applications

					Composite /		
	Metal / PFM	Feldspathic / leucite ceramics*				Hybrid ceramics (e.g. CERASMART)	
Inlays / onlays	٠	•	•	N.A.	•	•	
Crowns / bridges	٠	•	•	٠	•	•	
Veneers	N.A.	•	•	N.A.	•	•	
Posts/ inlay-cores	٠	N.A.	N.A.	٠	٠	N.A.	

"I use G-CEM LinkForce as a first choice in all clinical

indications. Day after day it still surprises me."

DR. CASTI, ITALY

* Feldspathic & leucite-reinforced ceramics

GC G-ænial Universal Flo

Light-cure adhesive resin cement



Easy dispensing

Thixotropic consistency: easy removal of excess



Light-curing composite: high aesthetics over time

A versatile, injectable restorative composite for the bonding of veneers

G-ænial Universal Flo generally used as a restorative and liner material, can also be used for the bonding of veneers and some inlays and onlays where light-curing is possible.

Key clinical advantages

- Injectable composite with excellent thixotropic consistency and **initial high viscosity** for **easy** placement of veneers
- Thanks to direct dispensing, the risk of bubbles at margins is limited
- High wear resistance and excellent polishability for long-term aesthetics
- Good alternative to heated composite with less risk of failure for thin indirect restorations

Practical advantages

- Streamline your inventory with this multi-purpose product!
- Broad range of shades: 15 shades

Clinical applications

	Glass-ceramics*	Hybrid ceramics (e.g. CERASMART)	Composite
Veneers	•	•	•
Inlays / onlays	• (< 2.0 mm thickness)) • (< 2.0 mm thickness)	• (< 2.0 mm thickness)

"Well-known for its optical and mechanical properties, G-ænial Universal Flo is a good solution for direct restorations and cementation (veneers, inlays and onlays). Nowadays, the practitioner is looking for a multi-purpose material and G-ænial Universal Flo fulfils this requirement. Its high viscosity allows for easy control of the excess and easy placement and positioning of the restoration."

* Feldspathic, leucite-reinforced ceramics and lithium disilicate

GC's temporary cements...

GC Freegenol

Zinc oxide cement



Key features

- All-purpose temporary solution
- Adjustable consistency and setting times
- Easy removal of excess
- Eugenol free, avoid interaction with resin cements

GC Fuji TEMP LT

Conventional glass ionomer cement in Paste-pak cartridge



Key features

- Assured retention and easy removal
- Easy seating thanks to low film thickness (6µm)
- Rubbery consistency for easy removal of excess
- Radiopaque
- Ideal for cementation on implant abutments

Also discover GC's Primers...

Whether you prefer a specialised or a universal primer, GC has a solution.

Universal solution
G-Multi PRIMER

One universal primer for **ALL** your indirect restorations.



Specialised solutions Ceramic Primer II

A specialised primer for all **aesthetic indirect restorations**. Compatible with glass-ceramic, hybrid ceramic, zirconia, alumina and composite restorations.



Metal Primer Z

The hero for all **your metal** and porcelain fused to metal restorations.



GC Luting navigation chart. Find the right cement(s) to master your luting challenges!

	Inlays & onlays			Crowns & bridges				Posts & inlay-cores			Veneers	
	Metal	 Feldspathic ceramics Leucite-reinforced ceramics 	Lithium disilicate Composite (e.g. GC GRADIA PLUS)	Hybrid ceramics (e.g. CERASMART)	 Metal (e.g. GC Initial Cast NP) Zirconia (e.g. GC Initial Zirconia disk) Alumina 	Lithium disilicate Composite (e.g. GC GRADIA PLUS)	 Feldspathic ceramics Leucite-reinforced ceramics 	Hybrid ceramics (e.g. CERASMART)	Fibre reinforced (e.g. EverStick POST & GC Fiber post)	Metal	Zirconia (e.g. GC Initial Zirconia disk)	Feldspathic ceramics Leucite reinforced ceramics Hybrid ceramics (e.g.CERASMART) Composite
Fuji I Conventional glass ionomer cement	•	-	-	-	•	-	-	-	-	•	-	-
Fuji PLUS Resin-modified glass ionomer cement FujiCEM 2 Resin-modified glass ionomer cement	•	(inlays)	•	-	•	•	-	-	•	•	•	-
G-CEM LinkAce Self-adhesive resin cement G-CEM Self-adhesive resin cement	•	•	•	-	•	•	•	-	•	•	•	-
G-CEM LinkForce Adhesive resin cement	•	•	•	•	•	•	•	•	•	•	•	•
G-ænial Universal Flo Adhesive resin cement	-	• (if les	s than 2.0 mm thickne	ess)*1	-	-	-	-	-	-	-	•

Discover more features about GC luting cements

	Conventional	glass ionomer	Resin-modified glass ionomer				Self-adhe	sive resin	Adhesive resin	
	Fuji I	Fuji I	Fuji PLUS	Fuji PLUS ^{EWT*2}	Fuji PLUS	FujiCEM 2	G-CEM	G-CEM LinkAce	G-CEM LinkForce	G-ænial Universal Flo
Shades	Light yellow	Light yellow	Yellow, Translucent & A3	A3	Yellow & A3	Light yellow	A2, Translucent, AO3 & BO1	A2, Translucent, AO3 & BO1	A2, Translucent, Opaque & Bleach	A1, A2, A3, A3.5, A4, BW, B1, B2, B3, C3, CV, AO2, AO3, JE & AE
Mixing time	20 sec	10 sec	20 sec	20 sec	10 sec	10-15 sec	10 sec	10-15 sec	10-15 sec	N.A.
Working time	2 min	2 min 15	2 min 30	3 min 30	2 min	2 min 15	2 min 30	2 min 50	3 min	N.A.
Final finishing time (commencing time)	4 min 30	4 min 30	4 min 30	5 min 45	4 min 15	4 min 30	4 min	4 min	4 min	N.A.

Notes: *1 For indirect restorations with thin thickness (< 2mm) that enable the use of a purely light-curing technique. *2: EWT: Extended WorkingTime: perfect for the cementation of bridges.

Let's Join Forces! Discover our key luting solutions for all your luting challenges

FujiCEM 2 & Fuji PLUS Resin-modified glass ionomer cement

Proven to be a benchmark in their class. They also are ideal worry-free solutions for your routine procedures, especially for metal, porcelain fused to metal & zirconia. They are your 'must-haves', especially when moisture control becomes a challenge!

G-CEM LinkAce Self-adhesive resin cement

With probably the best self-curing ability in its class, excellent polymerisation is assured, even when light transmission through the restoration is limited.

G-CEM LinkForce Adhesive resin cement

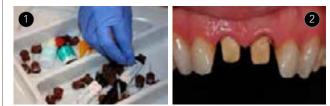
When uncompromised adhesion is needed, this product is THE solution. This universal adhesive resin cement allows you to work in a standardised way and offers a strong bond in all indications.



- 1 | Perfect solution for subgingival margins!
- 2 | Easy dispensing
- 3 | Easy removal of excess
- 4 | Full protection for the tooth



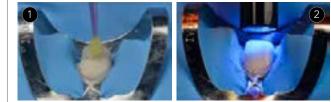
Source: Prof. Jean-François Lasserre (1), Dr. Frédéric Raux (2 and 4) & Dr. Emmanuel d'Incau (3), France



- 1 | Can be stored at room temperature
- 2 | No need for etching and bonding of the tooth
- 3 | Efficient self-cure mode for optimal polymerisation even when light transmission is limited
- 4 | Aesthetic results in time



Source: Dr. Frédéric Raux, France



- 1 | Easy application of G-Premio BOND
- 2 | Light-curing of the thin bonding layer for optimal adhesion
- 3 | Universal Primer for stable adhesion to all substrates
- 4 | Easy seating and perfect adaption



Source: Dr. Antonio Saiz-Pardo, Spain

	Fuji I		G-CEM LinkForce
66	000136Intro Package (1x Powder Light Yellow 35 g & 1x Liquid 20 ml)000134Refill- 35 g Powder Light Yellow000135Refill- 20 ml (25 g) Liquid00024050 Capsules Light Yellow		 009540 System Kit: 1x G-CEM LinkForce A2, 1x G-CEM LinkForce Translucent, G-Premio BOND, G-Premio BOND DCA, G-Multi PRIMER, G-CEM LinkForce Try-in Pastes (A2 & Translucent), GC Etchant & accessories 009542 Starter Kit A2: 1x G-CEM LinkForce A2 (8.7g), G-Premio BOND, G-Multi PRIMER & accessories
	Fuji PLUS		009543 Starter Kit Translucent (TR): 1x G-CEM LinkForce Translucent (8.7g), G-Premio BOND, G-Multi PRIMER & accessories
	001409Intro Package - Full Set A3 (15 g Powder A3, 7 ml Liquid & 6,5 ml conditioner)000231Refill- EWT (extended working time version) 15 g Powder A3000219Refill- 15 g Powder Yellow001410Refill- 15 g Powder Translucent001411Refill- 15 g Powder A3000220Refill- 7 ml (8 g) Liquid00022250 Capsules Yellow00141850 Capsules A3		009544 Refill A2- 1x 8.7g 009545 Refill Translucent (TR)- 1x 8.7g 009546 Refill Opaque- 1x 8.7g 009547 Refill Bleach - 1x 8.7g 009548 1x Try-In Paste 1.5 g A2 009549 1x Try-In Paste 1.5 g Translucent (TR) 009550 1x Try-In Paste 1.5 g Opaque 009551 1x Try-In Paste 1.5 g Deaque 009551 1x Try-In Paste 1.5 g Bleach 009036 G-Premio BOND 5 ml
	FujiCEM 2		009552 G-Premio BOND DCA 3 ml
	900897Refill - 2x Paste Pak cartrdige (13,3 g / 7.2 mL)900898Automix Package - 2x Paste Pak cartridges (13,3g) & 44 mixing tips90090220x Mixing Tips SL, Refill Pack90090310x Mixing Tips SL for Endo, Refill Pack901573GC Paste Pak Dispenser004647GC FujiCEM 2 Dispenser	` 	G-ænial Universal Flo 004213 1x 2 ml (3.4 g) syringe - BW (bleach) 004202 1x 2 ml (3.4 g) syringe - A1 004203 1x 2 ml (3.4 g) syringe - A2 004204 1x 2 ml (3.4 g) syringe - A3 004212 1x 2 ml (3.4 g) syringe - AO3 004215 1x 2 ml (3.4 g) syringe - JE (junior enamel)
	G-CEM		004634 30x Dispensing Tip III plastic
-	00258850 Capsules Assorted (20 each of A2 and Translucent, 5 each of AO3 and BO1)00258450 Capsules A200258550 Capsules AO300258650 Capsules Translucent00258750 Capsules BO100441450x GC Capsule elongation tips		004635 30x Dispensing Tip III Needle metal Also available in A3.5, A4, B1, B2, B3, C3, CV, AO2, AO3 & AE (adult enamel) Temporary Cements Freegenol 000087 1-1 Pack tubes (55 g Base, 20 g Accelerator, 2.5 ml Cleaner) Fuji TEMP LT 004253 2x 13.3 g (7.2 ml) Paste Pak cartridges
	G-CEM LinkAce		Primers
_	004857 Refill- 2 x 4.6 g (2.7 ml) A2 004858 Refill- 2x 4.6 g (2.7 ml) Translucent 004859 Refill- 2 x 4.6 g (2.7 ml) AO3, 004860 Refill- 2 x 4.6 g (2.7 ml) BO1 900668 10x GC Automix Tip Regular 900495 10x GC Automix Tip for Endo	-	G-Multi PRIMER 009553 G-Multi PRIMER, 5 ml Liquid Ceramic Primer II 008551 GC Ceramic Primer II, 3ml Liquid 008620 GC Ceramic Primer II Unit dose pack (10 pcs) Metal Primer Z 009295 GC METAL PRIMER Z, 5ml Liquid

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