

3M Science.
Applied to Life.™

3M™ Ketac™ Universal

Glass Ionomer Restorative

3M™ Photac™ Fil Quick Aplicap™

Resin Modified Glass Ionomer Restorative



**Finish faster.
Finish strong.**

Speed

Because caries-prone patients can also be the most restless.⁵

Paediatric, elderly and busy teens in between – treating patients who can't sit for long⁵ feels like a race against the clock and every second counts. That's why 3M developed Ketac Universal Aplicap glass ionomer restorative. It offers low stickiness for easy handling **and** reduces chair time with a simple one-step placement... so you can finish faster.

Just place, sculpt, and you're done.

With Ketac Universal Aplicap restorative, there's no need for conditioning, coating or light-curing steps that slow the procedure down.

Fewer steps = a simple, faster procedure



**3M™ Ketac™
Universal Aplicap™
Glass Ionomer
Restorative**

Advantages

- ▶ No need for conditioner or coating
- ▶ Bulk fill – no need for layering
- ▶ Fast, one-step, restorative solutions
- ▶ Extended indications for use compared to other glass ionomer materials¹
- ▶ Low stickiness allows an easy placement²
- ▶ Continuously releases fluoride for 24 months³
- ▶ Self-adhesive
- ▶ Self-cure
- ▶ Available in 6 shades
- ▶ Radiopaque⁴

	3M™ Ketac™ Universal Aplicap™ Glass Ionomer Restorative	GC Fuji IX GP	EQUIA Forte
Steps after cavity preparation*	only 4 steps	11 steps	11 steps
Cavity Conditioner		●	● (optional)
Rinse		●	●
Air dry		●	●
Shake capsule		●	●
Activate capsule	●	●	●
Prime capsule		●	●
Mix capsule (Mixing device)	●	●	●
Place in bulk	●	●	●
Finishing	●	●	●
Coating		●	●
Light cure/air dry		●	●

*Clinical steps according to manufacturers' instructions for use.

Extended indications make this a universal solution for your practice.

- ▶ Linings for single and multi-surface composite fillings
- ▶ Core build-up prior to crown placement
- ▶ Primary tooth fillings
- ▶ Restricted stress-bearing Class I and Class II restorations*
- ▶ Cervical fillings
- ▶ Single and multi-surface temporary fillings
- ▶ Fissure sealing

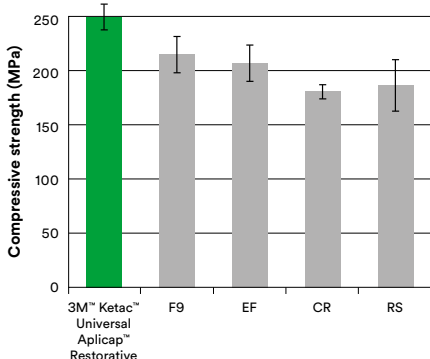
*Please refer to the product instructions for use for more information.

Strength

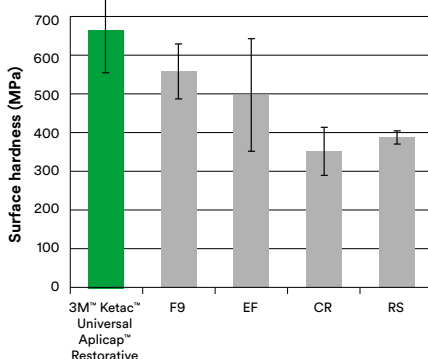
Strong enough to use for long-term and stress-bearing indications.⁶

A faster, easier procedure is great – but you want assurance that reducing chair time doesn't mean compromising on performance. 3M™ Ketac™ Universal Aplicap™ Restorative saves time by eliminating the need for a coating, yet still delivers **compressive strength and surface hardness** that are higher than several other glass ionomers which require one.^{7,8} This advancement is the latest in 3M's 30-year history of applying science to develop proven and trusted glass ionomers.

Compressive strength (24h) without coating⁹



Surface hardness (24h) without coating except for EF⁹



3M Oral Care Internal Data

Dentist satisfaction ratings

In an application test, 965 fillings were placed using Ketac Universal Aplicap restorative. Dentists (n=51) were pleased with time savings, overall handling, ease of placement and cavity adaptation.

94%⁹

verified it enables an easy one-step placement



84%¹¹

agreed the new design of the nozzle leads to better access to deep cavities

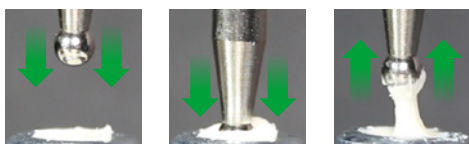


75%²

stated that the low stickiness to instruments allows easy placement



Handling



Plungers were dipped into the mixed paste and then withdrawn immediately.

Low stickiness allows easy placement.

One advantage Ketac Universal Aplicap restorative offers over other materials is that it sticks to the cavity while you are filling it, but it does not stick to the dental instrument, so it's easy to place and sculpt. As proof, a laboratory test was performed. A metal ball plunger was dipped into the mixed paste of each restorative material and withdrawn immediately. Test photos prove that **Ketac Universal Aplicap restorative did not stick to the metal ball, while other glass ionomer materials tested displayed a clear 'pull back' (or stickiness) when the ball plunger was lifted.**¹⁰



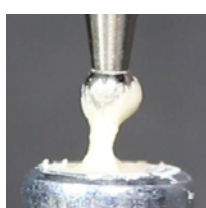
3M™ Ketac™ Universal Aplicap™ Glass Ionomer Restorative



GC Fuji IX GP® Caps



EQUIA™ Fil Caps



Riva Self Cure Caps

All products were prepared according to manufacturers' instructions for use.¹⁰

3M Oral Care Internal Data

3M™ Photac™ Fil Quick Aplicap™ Resin Modified Glass Ionomer Restorative

Photac Fil Quick is a fluoride releasing, resin-modified glass ionomer. Its self-adhesive property eliminates the need for bonding and cavity conditioning, giving you a fast and easy solution for treating anxious paediatric and elderly patients.

Indications for use

- ▶ Class III and Class V restorations
- ▶ Small Class I restorations
- ▶ Primary tooth restorations
- ▶ Temporary restorations



Advantages

- ▶ Saves time – no cavity conditioning¹² or protective varnish¹³ required
- ▶ No etching or bonding required
- ▶ Aplicap capsule delivery for consistent handling characteristics and reproducible results
- ▶ Radiopaque¹⁴
- ▶ High fluoride release¹⁵
- ▶ Available in eight shades

Photac Fil Quick Ordering Information

Order code	Product information
61000	Introductory Kit 10 capsules each shades A3, A3.5 · 5 capsules each shades A1, A2, B2, B3, C4, DBO · Activator · Applier · Mixing pads
61010	20 Capsules Shade A1, Extra light
61020	50 Capsules Shade A2, Light
61030	50 Capsules Shade A3, Universal
61060	50 Capsules Shade A3.5, Yellow-brown
61050	50 Capsules Shade B2, Light yellow
61040	50 Capsules Shade B3, Yellow
61070	20 Capsules Shade C4, Dark grey
61080	20 Capsules Shade DBO, Dark brown opaque
61090	50 Capsules Assorted shades

Steps after cavity preparation*	Photac Fil restorative	Fuji II LC	Riva LC
Prepare tooth	●	●	●
Apply a conditioner		●	●
Rinse and dry		●	●
Activate and mix capsule	●	●	●
Place in 2mm increments	●	●	●
Light cure	●	●	●
Finish	●	●	●
Apply glaze or varnish		●	
Light cure		●	

*Clinical steps according to manufacturer's instructions for use.

Ordering Information

3M™ Ketac™ Universal Aplicap™ Restorative

	Code	Product information
	61085	50 capsules Shades White, A2, A3
	61086	50 capsules Shade White
	61087	50 capsules Shade A1
	61088	50 capsules Shade A2
	61089	50 capsules Shade A3
	61095	50 capsules Shade A3.5
	61096	50 capsules Shade A4
	61097	Giant Pack A3 300 Aplicap™ Capsules
	73040	Aplicap™ Activator
	73050	Aplicap™ Applier
	76300	Rotomix™ Capsule Mixing Unit

3M™ Ketac™ Universal Kit Hand Mix Restorative

	Code	Product information
	61105	12.5g powder Shade White
	61106	12.5g powder Shade A1
	61107	12.5g powder Shade A2
	61108	12.5g powder Shade A3
	61109	12.5g powder Shade A3.5
	61110	12.5g powder Shade A4
	61111	8.5ml liquid
	61104	Intro Kit A3 12.5g powder · 8.5ml liquid · spoon · mixing pad

References

- 3M Oral Care Internal Data. Extended indications. Claim number 06183, 2014
- 3M Oral Care Internal Data. Low stickiness to instruments allows easy placement. Claim number 06232, 2014
- 3M Oral Care Internal Data. Fluoride release. Claim number 06327, 2015
- 3M Oral Care Internal Data. Ketac Universal is radiopaque. Claim number 06156, 2014
- 3M Oral Care Internal Data. Caries prone patients can also be the most restless. Claim number 6335, 2014
- 3M Oral Care Internal Data. Long term restricted stress bearing. Claim number 06324, 2015
- 3M Oral Care Internal Data. Higher compressive strength. Claim number 06178, 2014
- 3M Oral Care Internal Data. Surface hardness. Claim number 06251, 2014
- 3M Oral Care Internal Data. Easy, one-step bulk placement. Claim number 06229, 2014
- 3M Oral Care Internal Data. Ketac Universal is less sticky. Claim number 06357, 2014
- 3M Oral Care Internal Data. Better access to deep cavities. Claim number 06334, 2015
- 3M Oral Care Internal Data. No conditioner required with Photac Fil Quick. Claim number 02426, 2005
- 3M Oral Care Internal Data. No varnish required with Photac Fil Quick. Claim number 02427, 2005
- 3M Oral Care Internal Data. Photac Fil Quick is radiopaque. Claim number 01952, 2004
- 3M Oral Care Internal Data. High fluoride release. Claim number 02430, 2005

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