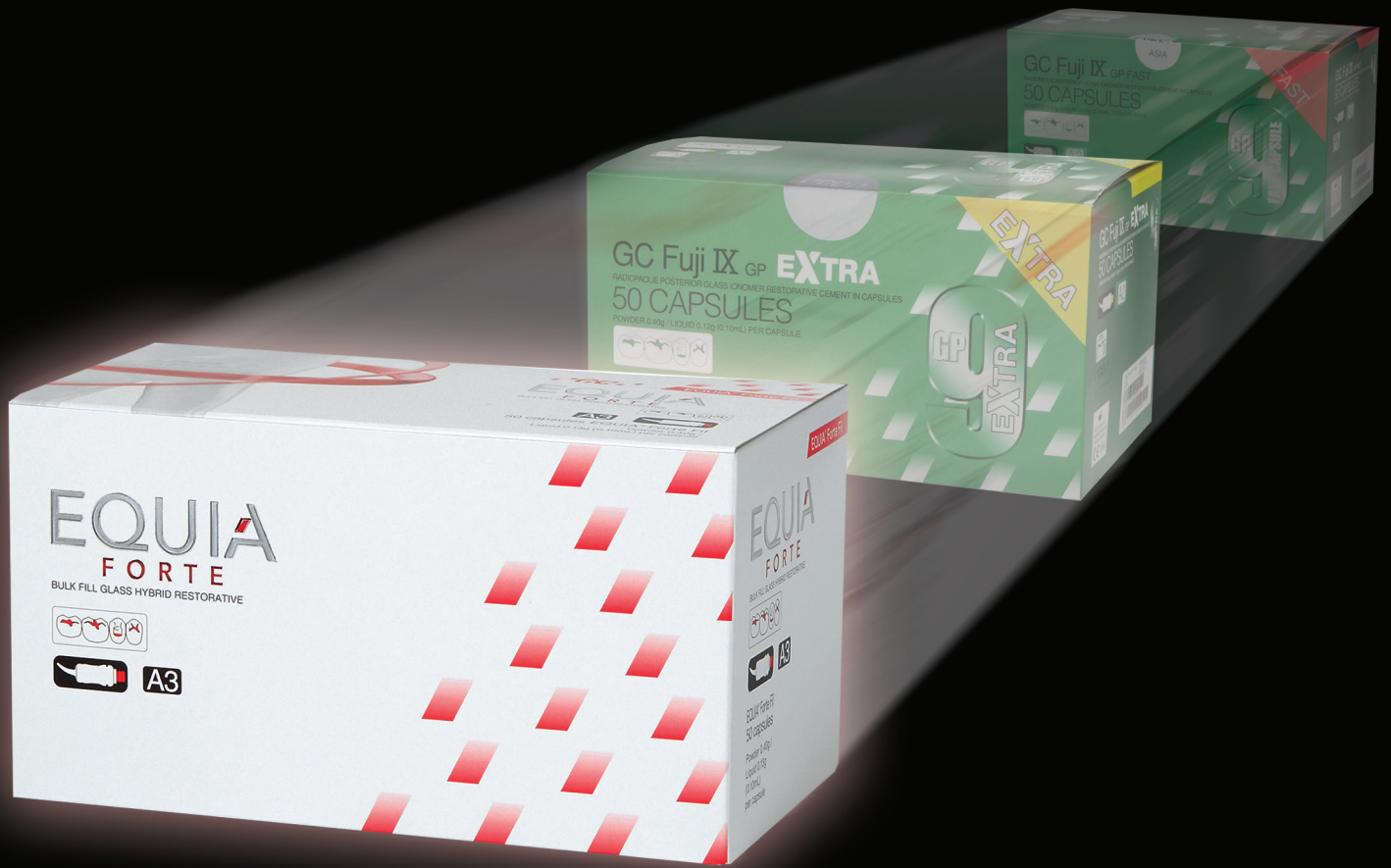




# EQUIA Forte™

Glass Hybrid Restorative System



Glass Hybrid: the latest evolution of high strength glass ionomer technology for posterior restorations.



# The enhanced EQUIA Forte™ System

EQUIA Forte™ Fil laminated with EQUIA Forte™ Coat is the EQUIA Forte™ System

EQUIA Forte™ Fil reveals GC's latest evolution of high strength glass ionomer technologies described as Glass Hybrid technology. This technology creates a self-adhesive, bulk-fill restorative with similar handling, setting and aesthetics as conventional glass ionomer cements but with enhanced physical properties for superior wear resistance, fracture toughness and durability.

EQUIA Forte™ Coat is a clear, self-adhesive, light-cured resin coating which works in synergy with EQUIA Forte™ Fil. Quick to apply and featuring GC's latest single dispersion nanofillers and reinforced resin technologies, it toughens, protects and polishes to complete the EQUIA Forte™ restorative system.

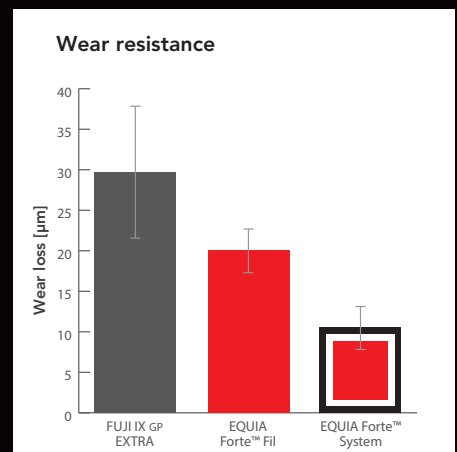
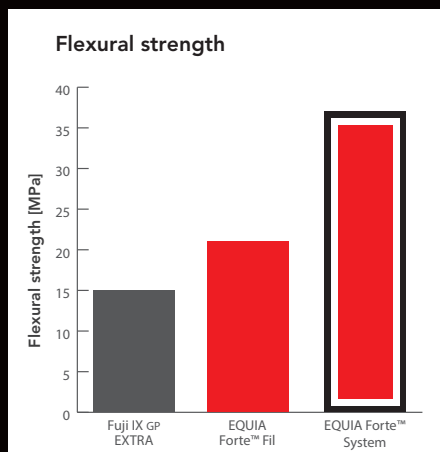
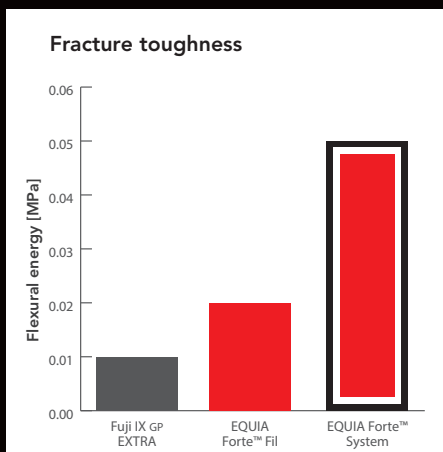
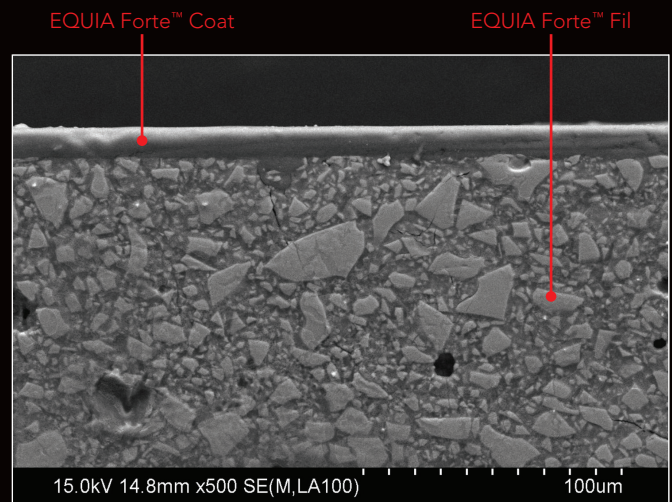


## Lamination Strengthening

The success of the EQUIA Forte™ system is derived from the synergistic combination of these two unique materials.

A surface lamination effect is achieved through the chemical bonding of EQUIA Forte™ Coat to the surface of EQUIA Forte™ Fil.

This lamination strengthening effect accentuates the physical properties of both materials so that, when combined in the EQUIA Forte™ Glass Hybrid Restorative System, a new standard is set for bulk-placed, self-adhesive posterior restorations.



# EQUIA Forte™: for a wider range of indications

## Management of caries lesions in an Alzheimers' patient - Dr Matteo Basso

A polypharmacy 68-year old male, retired lawyer and judge, previously identified as high caries risk, presented for treatment. In recent years, he developed some health problems (cardiopathy, high blood pressure and incoming Alzheimer's syndrome - now he is stable under specific drugs). His level of oral hygiene decreased overtime and his salivary flow also decreased as a side effect of polypharmacy. As a result, he developed secondary caries lesions on >30-years old amalgams on teeth 16 and 17, and a new caries lesion was diagnosed in the mesial surface of tooth 16.

A biomimetic material, the EQUIA Forte™ System, was selected and placed in one single increment: total working time was 18 minutes for the completion of three restorations.

EQUIA Forte™ is a Glass Hybrid Restorative System for long term posterior restorations. EQUIA Forte™ builds on the remarkable clinical trials performance of the original EQUIA system and presents as a strong, bulk-fill, self-adhesive system for rapid restoration of posterior teeth.

The selection of a composite restoration in this oral environment didn't appear to be a smart option due to increasing dental caries risk: poor oral hygiene, dry mouth and the possibility of loss of mental and physical abilities due to Alzheimer's syndrome. Furthermore, if a composite was chosen, it would not be possible to preserve the marginal crest of tooth 16 via tunnel technique; since this technique is not recommended with composites.



1. Secondary caries lesions on teeth 16 and 17. A new caries lesion in the mesial surface of tooth 16.



2. After the removal of decayed tissue, CAVITY CONDITIONER was used (10 sec.) to remove surface debris.



3. EQUIA Forte™ Fil was placed in one single increment



4. Preliminary shaping was performed with hand instruments. The presence of an efficient occlusal contact, good aesthetics and good shape of occlusal surface has been verified.



5. A layer of EQUIA Forte™ Coat was applied with a brush (lightcured 20 sec.) to improve final mechanical properties of the EQUIA Forte™ restoration.



6. Finished restoration

# The EQUIA Forte™ System

## EQUIA Forte™ Fil

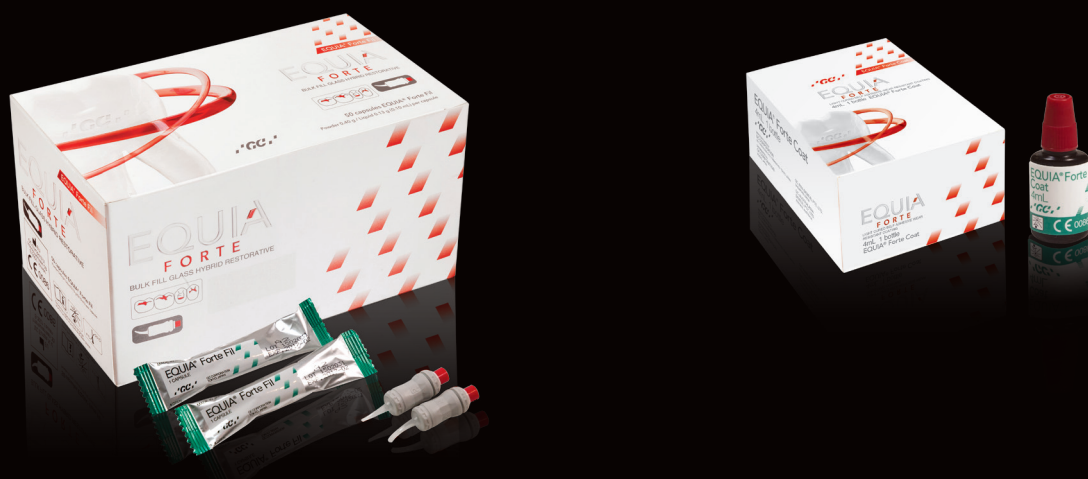
Box: 50 capsules

Shades: A1, A2, A3, A3.5, B1, B2, B3, C4

Assorted (contains 10 each A2, A3, A3.5, B1, B3)

## EQUIA Forte™ Coat

Bottle 4mL



## Advantages of using EQUIA Forte™:

- Bulk placement in less than 5 minutes from start to finish
- No bonding agent needed – chemical adhesion with tooth structure
- Low moisture sensitivity
- Optimal protection of marginal seal for long lasting restorations
- Great shade-matching ability
- High lustre, translucent coating, saving you polishing time

## The original EQUIA research

### Survival rates for EQUIA class I restorations

STUDY DURATION	SURVIVAL RATE	RESEARCH TEAM	YEAR
7 years	100%	Basso <i>et al.</i>	2016
6 years	100%	Gurgan <i>et al.</i>	2015
6 years	100%	Turkun, Kanik	2015
4 years	99%	Klinke <i>et al.</i>	2016
3 years	100%	Diem <i>et al.</i>	2014
2 years	100%	Friedl <i>et al.</i>	2011

References: Basso M *et al.* (2016). 7 Years, Multicentre, Clinical Evaluation on 154 Permanent Restorations made with a Glass ionomer-based restorative systems. *J Dent Res* 95 (Spec Issue B):446. Friedl K, Hiller KA, Friedl KH (2011). Clinical performance of a new glass ionomer based restoration system: A retrospective cohort study. *Dent Mater* 27:1031-1037. Gurgan S (2015). 6 year clinical success of GI restorative comparing with composite resin in posterior teeth. *J Dent Res* 94 (Spec Issue B):220. Klinke T *et al.* (2016). Clinical performance during 48 months of two current glass ionomer restorative systems with coatings: A randomized clinical trial in the field. *Trials* 17(1):1-14. Diem VT, Tyas MJ, Ngo HC, Phuong LH, Khanh ND (2014). The effect of a nano-filled resin coating on the 3-year clinical performance of a conventional high-viscosity glass-ionomer cement. *Clin Oral Investig* 18(3): 753-759. Turkun L, Kanik O (2015). Clinical evaluation of reinforced glass ionomer systems after 6 years. *J Dent Res* 94 (Spec Issue B):016.