Restorations that cross generations

EQUIA Forte® HT
Bulk fill glass hybrid restorative system
Restorations for all generations

Building on the success of EQUIA Forte®, the new EQUIA Forte® HT is a long-term bulk fill restorative system with enhanced mechanical properties, superior fluoride release, sound marginal seal and excellent handling. This makes EQUIA Forte® HT a versatile and durable restorative solution, ideal for patients of all ages, including pediatric, geriatric and high-risk caries patients.

Glass hybrid technology

EQUIA® was first launched in 2007, and numerous clinical studies have demonstrated its clinical efficacy in Class I and II restorations ever since. In 2014, GC’s new glass hybrid technology caused further considerable improvements, leading to the development of EQUIA Forte®. This restorative system combined a self-cure, bulk fill restorative, EQUIA Forte® Fil, laminated with a nano-filled, self-adhesive resin coat, EQUIA Forte® Coat. The new glass hybrid innovation was achieved through introduction of ultra-fine highly reactive glass and high-molecular weight polyacrylic acid powders within conventional glass which ensures advanced mechanical properties with improved flow and non-sticky handling. The nano-filled, self-adhesive resin, EQUIA Forte® Coat, ensures optimized marginal seal and wear resistance.

*See technique guide for suggested cavity preparations.

EQUIA Forte® Fil
Shade A2

EQUIA Forte® HT Fil
Shade A2

Advanced glass hybrid technology

Surface-treated FAS (Fluoro Alumino Silicate) glass
Highly reactive surface-treated fine FAS glass
High-molecular-weight polyacrylic acid
Polyacrylic acid

Taking glass hybrid to the next level

The strength and handling are further improved in EQUIA Forte® HT by developing an intelligent control of distribution and interaction of these glass particles. Also, EQUIA Forte® Coat is now available in an ergonomic flip-top bottle that minimizes waste.

The result? A strong restorative with prolonged working time and superb handling that is excellent for bulk-fill placement, even in load-bearing Class II restorations.*

*See technique guide for suggested cavity preparations.

Improved translucency

Pushing the boundaries of glass hybrid technology even further, EQUIA Forte® HT has a perfectly adapted translucency for better looking posterior restorations. The refractive index of the fillers has been adapted to the matrix. As a result, the final restorations look more natural and aesthetic.
Excellent biocompatibility & biomimetic properties

EQUIA Forte® HT exhibits a strong chemical bond to tooth providing exceptional marginal seal. The isolation is not needed as the bond strength is not compromised even in presence of saliva. Since no etchant is used, there is virtually no post-operative sensitivity. Due to its hydrophilic nature and similar coefficient of thermal expansion to dentin, it is an excellent biomimetic material. It is not only a tooth-friendly option but also an environment-friendly solution, making it a great choice for multiple clinical situations including as an amalgam alternative.

Superior fluoride release

EQUIA Forte® HT exhibits not only high but prolonged fluoride release. As seen in the graph, EQUIA Forte® HT provides superior fluoride release than that of many restoratives. This class of restoratives can be used in conjunction with MI Paste Plus® and MI Paste® ONE to recharge fluoride content®.
Fast & easy placement

EQUIA Forte® HT has been designed to make your daily restorative work as light and efficient as possible. Since rubber dam placement and adhesive application are obsolete, the restoration can be finished in no time. It is a material that is easy to use, yet the longevity is not compromised.

0'00" 0'10" 1'30" 2'30" 3'00" 3'05" 3'25"

Place
True bulk-fill technique
Convenient capsule delivery

Shape
Prolonged working time
Easy to contour
Non-sticky

Finish
Set after 2'30"

Coat
Glossy surface without polishing with increased wear resistance and exceptional marginal seal

Light-cure
Finished in just 3'25"

EQUIA Forte® HT, your best partner for posterior restorations

Courtesy of Dr. Z Bilge Kütük, Turkey

Long-term proven clinical performance

EQUIA Forte® HT is a reliable system based on 12 years of clinical experience with EQUIA®.

The longevity of posterior EQUIA® restorations has been proven in many independent, long-term clinical studies showing after 6 years a success rate of 100% for Class I restorations and between 92.3% and 98.7% for Class II.

9. Literature review, presented at IADR 2019 by Prof Soraya Coelho Leal.
Clinical cases

A strong & biomimetic amalgam alternative

The material can be placed in bulk and is easy to pack & contour. It takes only 3’25” to complete your restorations!*  
*Assuming average procedure times following the instructions for use.

Restoration of a posterior tooth in a high risk caries patient

The moisture tolerant adhesion of EQUIA Forte® HT enables easy restoration of deep cavities, even when a rubber dam cannot be placed. The use of sectional matrix will contribute to the longevity of the restorations.

Restoration of sensitive, hypomineralized MIH teeth

The chemical adhesion of the material – even to untreated dentine - offers a more sustainable solution in situations where bonding is compromised. The material can be easily placed after partial manual caries removal, making it easier to use in hypersensitive patients or patients having molar incisor hypoplasia (MIH).