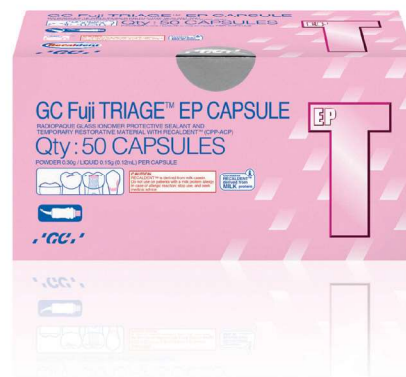




THAT SMILE IS
WORTH PROTECTING

GC Fuji TRIAGE® EP

Glass Ionomer Surface Protectant & Sealant
with RECALDENT® (CPP-ACP)





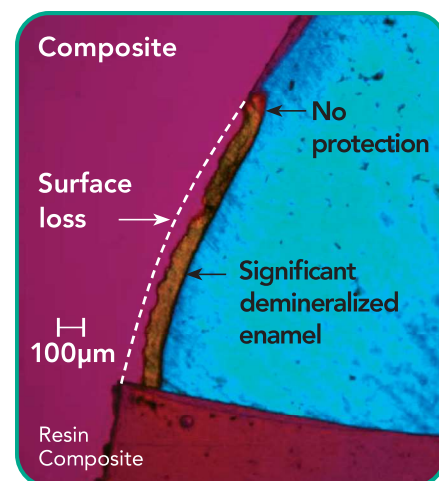
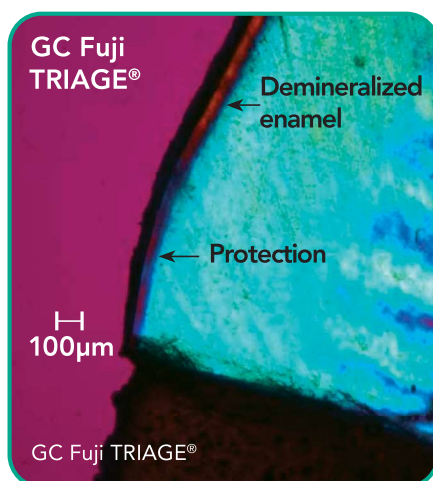
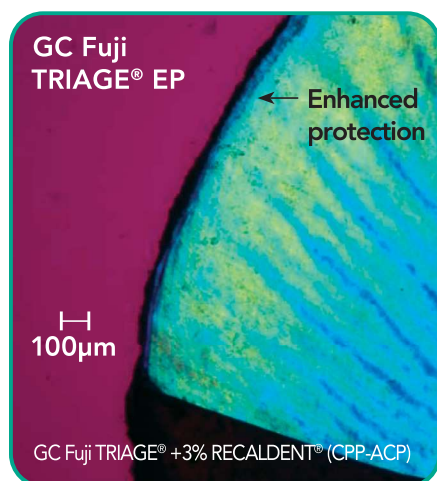
ENHANCED PROTECTION OF TOOTH SURFACES

A clinically proven glass ionomer, now enhanced with RECALDENT® (CPP-ACP) for maximum protection.

The ability to help protect tooth structure from decay is a benefit of GC Fuji TRIAGE® EP glass ionomer sealant and surface protectant that research scientists have sought to enhance. RECALDENT® (CPP-ACP), casein phosphopeptide amorphous calcium phosphate, has been shown in the laboratory, in situ and clinical trial to help prevent caries lesions from progressing.



The incorporation of 3% RECALDENT® (CPP-ACP) into the high fluoride releasing GC Fuji TRIAGE® EP has enhanced the level of protection provided to surrounding and adjacent dentin and enamel surfaces to help shield and protect tooth sites at risk of caries.



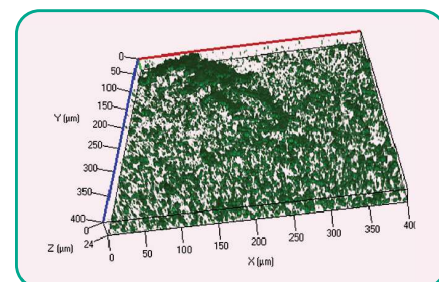
Polarized light micrographs of lactic acid (pH 4.8) demineralized lesions in enamel adjacent to GC Fuji TRIAGE® EP, GC Fuji TRIAGE® and resin composite.

Enhanced Protection Through Biofilm Inhibition

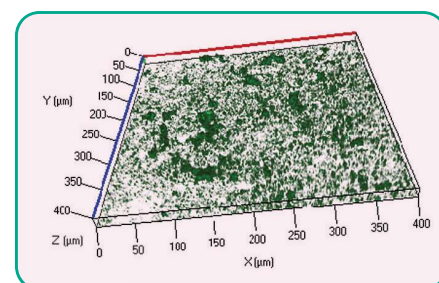
The use of GC Fuji TRIAGE® EP to protect surfaces at risk means protecting sites that are more susceptible to the formation of cariogenic biofilms. GC Fuji TRIAGE® has already shown clinically to have a degree of resistance to surface biofilm formation, however GC Fuji TRIAGE® EP, through incorporation of RECALDENT® (CPP-ACP), shows an enhanced ability to inhibit biofilm formation.

GC Fuji TRIAGE® EP reduced the total biofilm biovolume by 50%, average biofilm thickness by 66% and reduced bacterial colonisation of the surface by 66% compared to GC Fuji TRIAGE®¹.

1. Dashper SG, Catmull DV, Liu S-W, Myroforidis H, Zalazniak I, Palamara JEA, et al. (2016) Casein Phosphopeptide-Amorphous Calcium Phosphate Reduces Streptococcus mutans Biofilm Development on Glass Ionomer Cement and Disrupts Established Biofilms. PLoS ONE 11(9): e0162322. <https://doi.org/10.1371/journal.pone.0162322>



S. mutans biofilm formation on GC Fuji TRIAGE® after 16 hours inoculation at 37°C.



S. mutans biofilm formation on GC Fuji TRIAGE® EP containing 3% RECALDENT® (CPP-ACP) after 16 hours inoculation at 37°C.



IDEAL FOR FISSURE AND SURFACE PROTECTION

GC Fuji TRIAGE® EP - Ideal for Fissure Protection

Fissure protection is a non-invasive treatment procedure for children at higher risk of developing caries. It is undertaken as early as possible during the eruption phase of the first and second permanent molars. Posterior teeth are at increased risk of developing caries during eruption due to the increased levels of plaque retention, immaturely formed enamel and the length of time taken to achieve full eruption.

GC Fuji TRIAGE® EP is ideal for fissure protection due to their moisture tolerance during placement and the nature of the ion exchange adhesion between glass ionomer and enamel. GC Fuji TRIAGE® EP creates a strong, acid resistant, chemically-fused layer that will continue to give protection to the occlusal surface even when it appears visually 'lost' as a result of attrition from the opposing dentition.

The pink shade is especially useful when moisture control is difficult, as the setting reaction can be accelerated using a halogen curing light. The pink shade is also an excellent visual reminder that protection is in place.



Dr. J Lucas, Melbourne, Australia



Dr. M Gryst, Adelaide, Australia

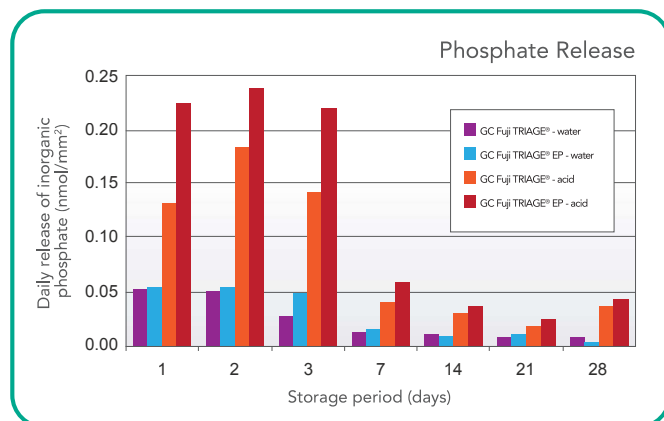
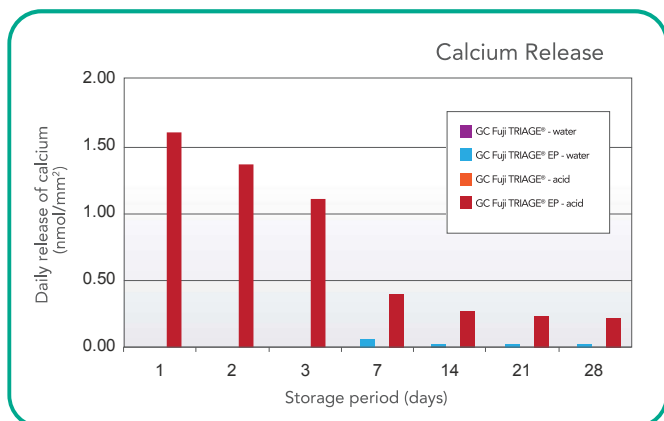
GC Fuji TRIAGE® EP - Ideal for Surface Protection

Surface protection describes the application of a thin film of glass ionomer to tooth surfaces that are at increased risk of caries or erosion. The objective of surface protection is to create a hardened outer surface using the glass ionomer reaction to form a more acid-resistant ion exchange zone which provides additional protection for the tooth.

A flowable, high fluoride releasing glass ionomer is ideal for this application. Glass ionomer is moisture tolerant during application and is therefore well suited to use as a protection material where saliva control might be compromised, such as erupting molars.

Once set, the thin layer of glass ionomer also acts as a protective coating, preventing acid contact with the tooth and providing a surface which is difficult for plaque to adhere to.

Enhanced Protection – Calcium/Phosphate Release



The incorporation of casein phosphopeptide-amorphous calcium phosphate into a glass ionomer cement. H Al Zraikat, JEA Palamara, HM Messer, MF Burrow, EC Reynolds. Dent Mater 27 (2011) 235-243. Note: Calcium and inorganic phosphate release in deionised water (pH 6.9) and lactic acid (pH 4.8).



GC Fuji TRIAGE® EP

As a flowable, high-fluoride-releasing glass ionomer, GC Fuji TRIAGE® EP is moisture-tolerant during application, making it well-suited as a protection material for erupting molars where saliva controls can be compromised. In fact, GC Fuji TRIAGE® EP works so well in this environment that you can begin placing it immediately after eruption without etching, isolating or drying the tooth.



Dr. G Milicich, Hamilton, New Zealand



Dr. J Lucas, Melbourne, Australia

Two colors for different applications

GC Fuji TRIAGE® EP Pink:

- Helps identify margins during application while communicating its temporary nature
- Maintains a low shade value to help it blend into the oral environment
- Almost invisible when used in a thin layer to protect non-carious lesions, toothbrush abrasion or exposed root surfaces
- Offers a “Command Set” to speed up cure time by light-curing with halogen/plasma curing light - this material does not photopolymerize; it speeds up curing time by absorbing heat from the light

GC Fuji TRIAGE® EP White:

- Protects fully erupted teeth
- Protects anterior facial surfaces
- Used where aesthetic demands by the patient or parent outweigh the need for clear visual recognition
- The “Command Set” is not available in GC Fuji TRIAGE® EP White

Clinical application



An erupting molar. A brush cone was used to remove plaque.



Clean and condition using (GC) CAVITY CONDITIONER. After rinsing avoid overdrying.



Apply GC Fuji TRIAGE® EP over the occlusal surface with direct delivery or a microbrush.



Completed fissure protection.
Dr. J Lucas, Melbourne, Australia



GC Fuji TRIAGE® EP 50-Capsule Refill

Contains: 50 capsules.
013604 Pink 013605 White

000110 CAVITY CONDITIONER

Contains: One CAVITY CONDITIONER (5.7mL).

013764 NEW GC CAPSULE APPLIER V

Contains: One capsule applier.



ALSO AVAILABLE! GC Fuji TRIAGE® without RECALDENT® (CPP-ACP)

GC Fuji TRIAGE® Starter Package

Contains: 50 capsules, one GC CAPSULE APPLIER III, one CAVITY CONDITIONER (5.7mL) and one GC Fuji COAT™ LC (5.2mL).
439990 Pink 439991 White

GC Fuji TRIAGE® 50-Capsule Refill

Contains: 50 capsules.
001946 Pink 002269 White

