G-Coat PLUS from GC.

A new nano-filled protective coating that will give all your restorations an excellent shine and the best possible start in life.
Introducing a revolutionary coating – **G-Coat PLUS** from GC.

You can now give your restorations the “Best of Both Worlds” – an excellent new finish combined with significantly added strength, which is quicker than ever before.

Experience the “Best of Both Worlds”

G-Coat PLUS is the first **single dispersion nano-filled** protective coating for glass ionomer, composite and temporary restorations. The liquid glaze ensures **improved aesthetics and increased strength, toughness and protection**, as well as providing you **time savings**. No longer is there a need for final polishing of the restoration as G-Coat PLUS provides you with a long lasting gloss and perfect smoothness in a **simple three step application**.

Optimised resin formulation with nano-filler technology

G-Coat PLUS is quite different to any previous coatings. This is because it is the first dental resin material to incorporate single dispersion nano-filler technology. Nano fillers have previously been utilised as clumped fillers. However, new manufacturing technology enables a **uniform dispersion of nano sized fillers** to enhance the wear resistance and toughness of G-Coat PLUS.
G-Coat PLUS is the quickest way to finish your...

...Glass ionomer restorations

One quick application of G-Coat PLUS will **reinforce and strengthen** your glass ionomer restorations. A protective coating of G-Coat PLUS allows the **complete maturation** of the glass ionomer reaction and with delayed saliva exposure creates the strongest possible glass ionomer restorations. Infiltration of G-Coat PLUS provides **internal protection against cracks and voids** to enable increased fracture toughness. On top of this, G-Coat PLUS leaves an **excellent smooth surface** and **un-matched exterior gloss**.

**Lamination strengthening using G-Coat PLUS**

1. Glass ionomer cement
2. Mechanical stress concentrates on surface voids leading to crack propagation
3. G-Coat PLUS bonds to the surface and fills voids
4. Mechanical stress is dispersed by the toughened laminate layer

Infiltration of G-Coat PLUS into the surface of condensable glass ionomers delivers internal protection against cracks and voids for increased fracture toughness. The dispersion of nano-fillers in G-Coat PLUS reinforces the outer layer ensuring increased wear resistance and protection against acid erosion.

**EQUIA: GC Fuji IX GP EXTRA and G-Coat PLUS**

1. Cavity preparation
2. Apply conditioner to dentine
3. Acid etch un-cut enamel margins
4. Place Fuji IX GP EXTRA
5. Apply G-Coat PLUS to the glass ionomer and surrounding etched enamel

**GC Fuji II LC and G-Coat PLUS**

1. Cervical lesion
2. Apply conditioner
3. Restoration with Fuji II LC
4. Contour and finish
5. Apply G-Coat PLUS
6. Finished restoration
...Composite restorations

One quick application of G-Coat PLUS will immediately transform a newly contoured composite into a high gloss finished restoration. The tough self adhesive coating improves composite wear resistance and polish retention. Furthermore, as G-Coat PLUS bonds to composite restorations as well as surrounding tooth surfaces, it will provide additional protection to composite – tooth margins.

G-Bond, Gradia Direct and G-Coat PLUS

...Temporary crowns

The quickest way to finish your bis-acryl composite or acrylic temporary crowns is to simply apply G-Coat PLUS and light cure – and that is all that is required. G-Coat PLUS will provide an excellent gloss finish that is both smooth and stain resistant.

...Existing restorations

G-Coat PLUS adheres to existing restorations and can be used as a simple, easy to apply maintenance coating for demanding situations where extra wear resistance, acid resistance or polish maintenance is required. G-Coat PLUS can be used to re-surface existing restorations that require servicing, e.g. following re-contouring to remove marginal discoloration around old composite restorations.
The first self-adhesive coating to GIC and composite

The inclusion of adhesive monomers means that G-Coat PLUS gives no compromise adhesion to the surfaces it coats. This ensures the full benefits of lamination and the highest level of protection for restoration-tooth margins. The optimum combination of monomers results in G-Coat PLUS being capable of achieving a high degree of polymerisation with no air inhibited layer once light cured.

Interface S.E.M.

Superior wear resistance and gloss retention

The strong adhesion of G-Coat PLUS to different restorative materials ensures that wear loss over time is even and controlled, representing an important development over previous coating technologies where initial wear led to de-lamination.

Laboratory testing of wear resistance

Exceptional wear resistance is demonstrated as part of the laboratory testing of EQUIA (Fuji IX GP EXTRA laminated with G-Coat PLUS) where, following 20,000 cycles, the wear resistance of G-Coat PLUS is similar to the ceramic block.

Tests performed by J. De Munck, Leuven BIOMAT Research Cluster, Catholic University of Leuven, Belgium.
G-Coat PLUS

The first nano-filled self adhesive coating for glass ionomer and composite restoratives.

Designed for optimum wetting, strong adhesion, enhanced wear resistance and extra protection for margins.

The final lamination that aesthetically enhances all your restorations with excellent colour stability.

The quickest way to finish all of your restorations.

Step-by-step

Prepare the surfaces to be coated
Immediately apply (within 60”) a single uniform layer using a micro tip applicator
Light cure for 20 seconds

Packaging

G-Coat PLUS
Nano-filled Self-Adhesive Light-Cured Protective Coating
4 ml liquid, 20 dispensing dishes, 50 micro-tips, applicator & 1 applicator holder

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