



GRADIA PLUS MODULAR COMPOSITE SYSTEM FOR INDIRECT RESTORATION

For use only by a dental professional in the indications for use.

INDICATIONS FOR USE

- Crown and Bridge work (with metal backing)
- Removal of old restorations (crowns, metal, Inlays, Onlays and Laminated Veneers)
- Replacement of missing teeth
- Reproduction of gum tissue for crown restorations

CONTRAINDICATIONS

Avoid use of this product in patients with known allergies to methacrylates, resin, monomers, polymer or alcohol.

PRODUCT DESCRIPTION

GRADIA PLUS is a light-cure material for crown and bridge work. It is a composite resin with a filler polymer or alcohol.

The particle size of inorganic fillers ranges from 0.02-1.0 µm for OPACQUE, GUM SHADES OPACQUE, 0.01-5.5 µm for PASTE HB, PASTE LB, GUM SHADES HB, GUM SHADES LB.

The total amount of inorganic filler is approximately 51-75 wt% for OPACQUE, GUM SHADES OPACQUE, 66-80 wt% for PASTE HB, PASTE LB, GUM SHADES HB, GUM SHADES LB.

COMPOSITION

OPACQUE, PASTE HB, PASTE LB, GUM Barium glass, dimethylacrylate, silicon dioxide, initiator, pigment, stabilizer

LUSTRE PRANT Multifunctional monomer, initiator, methacrylate, silicon dioxide pigment

GRADIA PLUS Lustre Pant Diluting Liquid Methacrylate, Multifunctional monomer, initiator, methacrylate, silicon dioxide, stabilizer, initiator

DIRECTIONS FOR USE

A. Anterior / Posterior Veneer Crown (with metal backing)

1. Wax-up framework conventionally, occlusal surface should face anteriorly.
2. Invest in metal frame with 50 µm thickness. Apply retention beads to the facing surface. Cast in the usual manner.
3. Invest in metal frame with 50 µm thickness. Clean and dry the metal frame.
4. Invest in metal frame with 50 µm thickness. Apply retention beads to the facing surface. Cast in the usual manner.

B. Anterior of Posterior Jacket Crown (metal free)

1. Prepare the die stone in usual manner.
2. Apply DE-HARDNER to the die stone surface.
3. Apply a thin layer of paraffin wax as die spacer as required.

C. Special pre-cure treatment

1. In case of a metal crown, apply first a thin layer of OPACQUE (1.5 kg/cm²) for 1 minute.
2. In case of a full abutment tooth, apply first a thin layer of OPACQUE (1.5 kg/cm²) and Pre-Cure.

D. Glazing

Use instructions BUILDUP PROCEDURE A, Section 2 to be above.

E. Cleaning, treating restoration for bonding

Roughen the inner surface of Jacket crown using alumina sandblast (15-20 µm) by applying a mechanical oscillator. And then clean with air gun.

F. Cementation

1. Apply a thin layer of a silane coupling agent (eg. CERAMIC PRIMER I (GC)) to bonding surface.
2. Use a direct filling resin cement (eg. GC-EM Linforce (GC)).

G. Posterior Inlay

1. Preparation of the working model
2. Preparation of the working model
3. Build up of crown
4. Glazing

H. ADDITIONAL APPLICATION AND REPAIR

1. Roughen the resin surface using a carbide bur or sandblast (1.5 kg/cm²).
2. Immediately apply a silane coupling agent (eg. CERAMIC PRIMER I (GC)) to the resin surface and dry.
3. Apply Enamel shades, etc. as required.

I. CHAIRSIDE MAINTENANCE

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