

PREMISE INDIRECT™



The “next generation” of indirect composites, Premise Indirect (BelleGlass NG), incorporates advanced nano-particle and submicron filler technology - the most significant development in composites in the last ten years. This achievement surpasses previous BelleGlass benchmarks and sets new standards for outstanding long-term esthetics, polish, shine, surface luster and wear.

PREMISE INDIRECT COMPOSITE RESTORATIONS

Premise Indirect is an excellent choice for posterior and anterior teeth that oppose natural dentition. Laboratory processed composite resin inlays, onlays, veneers and crowns are easier to adjust, polish, and repair than their porcelain counterparts. The adhesive bonding process of Premise Indirect to enamel and dentin seals dentinal tubules and creates an insoluble micromechanically locked interface between tooth and restorative material. This strengthens the remaining natural tooth and can virtually eliminate secondary caries due to microleakage and bacterial penetration.

PREMISE INDIRECT TO CAPTEK

Now with the advent of the new UCP Coupler System for bonding to Captek, Premise Indirect can be used for clinical situations that require conventional cementation. Such indications include subgingival area where isolation for use of adhesion cements is not possible, conventional cementation to metal cores and build-ups, and use on implant abutments where the natural resilience of laboratory processed composites may be a factor in transmitting less occlusal force to the peri-implant environment.

“DAL offers Premise Indirect restorations that are functional and esthetic works of art second only to nature itself. Premise Indirect and DAL...an unbeatable combination.”
Dr. Robert A. Lowe

BONDING/CEMENTATION

Premise Indirect restorations should be bonded using established adhesive techniques (i.e.- a dual cure composite cement). Premise Indirect to Captek restorations should be conventionally cemented with your choice of cement.

ADJUSTMENTS/POLISHING

Adjust the occlusion with finishing diamonds and/or finishing burs (8,12, 30 or 32 fluted carbide composite finishing bur). The anatomical contour can also be refined using the same 12 or 32 fluted carbide bur. Polish with rubber wheels, points, or cups followed by a porcelain or composite polishing paste. Carry the paste interproximally with floss to further smooth and polish the gingival margin. A medium-grit composite polishing point is used to create the base polish. A fine-grit polishing point is used to create the final smooth finish.

INSURANCE CODES

PREMISE INDIRECT RESIN-BASED COMPOSITE INLAYS/ONLAYS

- D2650 inlay - resin-based composite
- one surface
- D2651 inlay - resin-based composite
- two surfaces
- D2652 inlay - resin-based composite
- three or more surfaces
- D2662 onlay - resin-based composite
- two surfaces
- D2663 onlay - resin-based composite
- three surfaces
- D2664 onlay - resin-based composite
- four or more surfaces

PREMISE INDIRECT RESIN-BASED COMPOSITE CROWN

- D2710 crown - resin (indirect)

PREMISE INDIRECT VENEER

- D2961 labial veneer (resin laminate)
- laboratory

PREMISE INDIRECT TO CAPTEK CROWN

- D2720 crown - resin
with high noble metal

PREMISE INDIRECT TO CAPTEK BRIDGE

- D6720 crown - resin
with high noble metal
- D6250 pontic - resin
with high noble metal



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Cementation Procedures

PREMISE INDIRECT
TO CAPTEK



After removal of old restorations and recurrent decay, amalgam stains are evident which could affect the color of a bonded Premise Indirect restoration. Therefore, in order to have the qualities of Premise Indirect opposing the natural maxillary teeth, Premise Indirect to Captek was the obvious choice.



The completed Premise Indirect to Captek crowns are shown from the facial aspect on the laboratory model.



The Premise Indirect to Captek crowns are shown from the intaglio view. The Captek copings are cut back and Premise Indirect is brought to the margin to yield excellent esthetics. Also, there is negligible shrinkage of the Premise Indirect upon curing, so the marginal integrity is superb.



A buccal view of the completed quadrant. Teeth #29, 30, 31, were conventionally cemented using glass ionomer cement. Tooth #28 is a bonded BelleGlass HP only two years post cementation.

Premise Indirect Onlay Restoration



1 Tooth #31 has an amalgam restoration with recurrent decay radiographically on the mesial aspect. Functional wear facets can be seen on the facial cusps.



5 At ten seconds, etchant is placed on the dentin surface and spread throughout the preparation with a microbrush. Total etching time of the enamel and dentin should be for 15 seconds only.



9 Excess desensitizer is removed with the high volume suction (2 seconds) leaving a moist dentin surface.



13 The Premise Indirect onlay is pushed to place extruding the excess resin cement. After an approximate 2 minute gel set, the excess resin can be easily removed using a small scaler or explorer. The large cotton ball in a cotton forceps is used to remove any excess resin prior to light curing.



2 A facial view after preparation for a Premise Indirect onlay. Internal stress fractures and wear facets necessitated coverage of the facial cusps. The facial finish line is supragingival and the distal marginal ridge was preserved because of the high placement of the retromolar tissue and lack of functional contact.



6 The restoration is silanated after any adjustment and readied for placement using Nexus 2 resin cement.



10 OptiBond Solo Plus is placed in multiple applications to supersaturate the dentin and enamel of the preparation. The microbrush is used to agitate the adhesive and ensure formation of the hybrid zone. Excess adhesive can be removed from line angles by "wicking" it up with dry microbrushes. The solvent is evaporated using air spray lightly across the preparation surface.



14 The completed Premise Indirect onlay is shown after light curing. Any occlusal adjustment can be performed with 8-fluted and 30-fluted carbide composite finishing burs. The surface luster is restored using Kerr Hawe composite polishers followed by the Occlubrush impregnated polishing cup.



3 The Premise Indirect onlay is shown on the master laboratory die. Note the natural translucency due to the "chameleon like" nature of the material.



7 After a total etch time of 15 seconds, the preparation is rinsed copiously with water for 15-20 seconds. The excess moisture is removed by placing the high volume suction over the preparation for 2 seconds.



11 The OptiBond Solo Plus is light cured for 20 seconds utilizing a Demetron LED light cure unit.



4 The first step in placement of the Premise Indirect restoration is to etch enamel and dentin surfaces with 37% phosphoric acid. The etchant is placed on the enamel surfaces first for 10 seconds.



8 AquaSeal desensitizer is used to rewet the preparation and gain initial hema penetration into the demineralized dentin surface.



12 Nexus 2 adhesive resin cement is placed into the preparation prior to insertion of the Premise Indirect onlay. It is much easier to place the cement into the preparation than to carry a cement filled restoration to the tooth and place it accurately.



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