

Captek™ Clinical Indications

Perio



5 mm Pocket/BOP



2 Year Recall, No Surgery

Material selection, margin type and placement are key factors in preventing breakdown.

Situations:

- Heavy plaque builder
- History of periodontal disease
- Requires sub gingival margins
- Bifurcation involvement
- Minor pockets
- Irregular root contours
- Post periodontal surgery
- Tissue allergy
- Sensitive tissue types, e.g. thin biotype, shallow sulcus

Solution: Captek crowns and bridges with metal to the edge or with metal collars is unique in its ability to inhibit the formation of bacterial plaque, going well beyond biocompatibility. With margin gaps as small as 15 microns, and metal thickness as thin as 50 microns Captek is not only many times cleaner, but also reduces mechanical irritation in difficult areas and root contours.

High noble cast metals are not pure and can lead to an allergic reaction. One component that can lead to this reaction is thiosulphate, a sulphur compound and known allergen. Captek eliminates this with medically pure for Pt, Pd, and Au with trace Ag, and contains no sulphurs, oxides, or other impurities.

Caries



2 Year Recall

The materials we choose, margin placement and design, the effect they have upon health, and how they affect esthetics are key considerations.

Situations:

- High bacterial count
- History of recurrent caries
- Decalcifications
- Root-placed margins
- Interproximal bonding

Solution: Captek creates an electrochemical environment that inhibits the ability of bacteria to colonize, reducing bacterial attachment by at least 71%, a property unique to Captek. This means that Captek has the potential to reduce interproximal and recurrent caries.

Occlusion



Collapsed Occlusion



Seat Appointment



5 Year Recall

General Restorative



#14, 15 at 8 years, 18-20, 8 weeks

For decades, the workhorse has been the common cast PFM.

Situations:

- Missing teeth
- Root canal teeth
- Highly filled teeth
- Too much occlusal clearance and stamp cusps
- Poor alignment
- Inadequate occlusal clearance
- Teeth with abfraction
- Gastric reflux
- Fragile teeth
- Collapsed occlusion

Solutions: Captek Bridge & Implant is perfect for high stress loads from bruxers, bridges, and implants. With coping thickness of only .275 mm and a Pt & Pd internal reinforcement, Captek can be used for long span bridges and single pontic cantilevers over both implants and natural teeth..

All Captek materials provide a strong 2 mm ferrule required by root canal teeth for reinforcement. Unlike other materials, Captek margins can be placed sub gingival to mask darkened tooth structure for better esthetics without sacrificing health. This is very important for older patients with brittle and thinned teeth, and in the presence of acid or mechanical erosion. And because Captek Bridge & Implant is both thin and strong it is perfect to address areas of minimal occlusal clearance needing a metal island.

Esthetics



Captex's color has been designed to mimic the color of live dentin, regardless of stump shade, even with minimal reduction.

Situations:

- Dark Teeth
- Dark Roots
- Minimal Reduction
- Misalignment
- Tissue Inflammation
- Tissue Discoloration
- Bevel or Feather Margin
- Single Anterior
- Matching Veneers with Full Coverage

In tight areas Captex only needs .8 mm of facial reduction, while margins can be placed both sub gingival or supra gingival, with any coping design, and for any margin design, including a porcelain butt margin.

Endodontics



Captex's versatility can hide discoloration, accommodate any margin need, satisfy conservative preparations, and support tissue health, the best all-round material for endodontic teeth.

Situations

- Ferrules
- Darkened tooth structure
- Margin design
- Tooth Flexure

Captex's thin coping will mask darkened tooth and root structures with the ability to go sub gingival with any margin design and any cement.

Versatility



Implants



Captek has the versatility to bridge or splint long spans, mask titanium abutments, rival all-ceramic esthetics, and provide improved tissue health.

Situations

- Single unit esthetics
- Preventable tissue inflammation
- Reducing fixture stresses to splints and bridges
- Reducing occlusal shock from missing periodontal ligament (PDL)

Captek is the only restorative materials used for splints and bridges that has not been reported to distort and add fixture stress to the bone. Captek Bridge & Implant can be used for single units, long-span bridges, and single pontic cantilever bridges over implants.

Preparation

Sometimes teeth present difficult preparation demands. Captek can accommodate every margin design, even on the same tooth, and all margin placements.

Situations

- Supra g esthetics
- Sub g rationale
- Esthetic needs
- Tooth requirements
- Familiar or unfamiliar techniques

Captek preparations are easier than cast PFMs because the results are always better.