

# CAPTEK Q&A

## REFERENCE GUIDE



**CAPTEK™**

**Q: What is Captek™?**

**A:** Captek™ is a patented “reinforced gold” technology for crowns and bridges, offering the esthetics of metal-free restorations and the strength of low or no gold PFMs. Clinically proven plaque resistant; Captek™ is arguably the best all-around restoration.



## STRENGTH

**Q: Is Captek™ strong enough to be used for posterior crowns and bridges (including bruxers)?**

**A:** Yes, according to research from the University of Boston, Captek™ is highly resistant to fracture and can withstand forces in excess of what the oral environment can develop.

- Load Bearing Capacity for crowns and bridges is proven to be at least equal to or greater than all categories of traditional cast alloys.\*
- Porcelain bond to Captek™ metal is extremely strong. Shear bond strength exceeds that of traditional alloys.\*

**Q: Can Captek™ be used where there is more than standard occlusal clearance?**

**A:** Yes, Captek™ can be **built up** to **support** all restorative needs.



**Q: What is the overall thickness of the coping?**

**A:** **0.2 - 0.3mm.** Thickness of Captek™ allows for maximum room for ceramics, yet, due to the reinforced skeleton, strength is not sacrificed.

## BRIDGES

**Q: Can I use Captek™ for Bridges?**

**A:** Yes! Captek™ was originally designed to be a perfect bridge system. High strength is combined with accuracy and esthetics.\*

**Q: What metal is used for pontics in a Captek™ bridge to create strength?**

**A:** A traditional noble or high noble alloy is utilized for the pontic area and is fused to the Captek™ abutments using the same patented composite metal technology.

**Q: What is the maximum pontic span for Captek™ bridges?**

**A:** Now, with Captek Bridge and Implant™ material, there are **NO SPAN LIMITATIONS:**

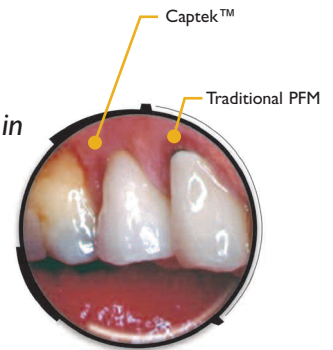
- Standard Metal Ceramic fabrication parameters apply.

## HEALTH (BIOCOMPATIBILITY)

**Q: Is Captek™ healthy?**

**A: Yes!**

- 71% to 90% fewer bacteria in the sulcus than around natural healthy tooth structure\*
- **No harmful oxides\***
- Therapeutic effect on tissue\*
- Best margin accuracy



**Q: Should Captek™ be considered for patients with periodontal issues?**

**A: Absolutely!** Captek™ is a healthy solution for all patients that need to keep their soft tissues healthy over time.

## INDICATIONS

**Q: What type of porcelain is compatible with Captek™?**

**A: Any porcelain** that is compatible with PFM restorations.

**Q: What type of preparation can be used for Captek™?**

**A: Any style of margin design can be accommodated:** Shoulder, Chamfer, Feather-Edge, or Bevel.

- 1.5-2mm Occlusal Clearance
- Use standard PFM preparation guidelines
- Recommended standard retention and resistance form be followed



**Q: What cement is recommended?**

**A: Any traditional cement can be used.** If the preparation is lacking in resistance and retention form, light aluminum oxide abrading is needed. (20 to 40 lbs. of pressure with 50 micron aluminous oxide is recommended)

**Q: Are metal collars possible with Captek™?**

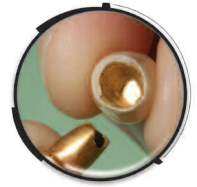
**A: Yes,** unlike high gold ceramic alloys, the composite metal nature of Captek™ is very strong and ideal for metal collars. Exposed Captek™ metal at the margin has tremendous health benefits.

**Q: Can porcelain butt margins be done with Captek™?**

**A: Yes,** Captek™ can be fabricated for any margin design and situation. Porcelain butt margins, metal to the edge, and metal collars are ALL possible depending on the clinical requirements and doctor preference.

**Q: Is Captek™ indicated for Implant Abutments?**

**A: Yes,** Captek™ is the perfect choice for implants due to esthetics, strength, and biocompatibility.



**Q: Can you Press To Captek™?**

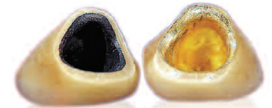
**A: Yes,** Captek™ is an ideal understructure for Press To Metal Ceramic systems.

## ESTHETICS

**Q: Is Captek™ more esthetic than a Traditional PFM?**

**A: Yes!**

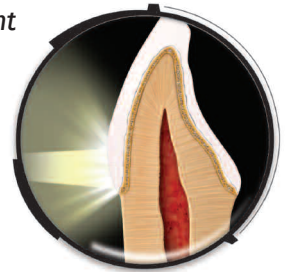
- No Oxides
- No gray lines
- Promotes healthy, esthetic tissue
- Warm gold color reflects light like a natural tooth



**Q: Is Captek™ as esthetic as an all-ceramic restoration?**

**A: In many cases, Yes!**

- Ideal for esthetic implant cases
- Warm gold color mimics live dentin
- Great for bleach shades
- Masks out dark preps/tooth structure
- Harvard Research indicated that the tissue surrounding Captek™ crowns had the closest appearance to the gingivae of the adjacent natural teeth\*



**Q: Can Captek™ be used in combination cases with all-ceramics or veneers?**

**A: Yes,** Captek™ is often the ideal solution to tough combination cases where matching shades are difficult.

## CAPTEK™ COMPOSITE METAL STRUCTURE

Capttek™ is the only 88%+ gold metal for crowns and bridges that is internally reinforced with pure particles of platinum and palladium for strength and stability. The reinforced gold or “composite metal” nature of Capttek™ is responsible for the outstanding esthetics, strength and extreme health of Capttek™ restorations.

### STRENGTH\*

Proven by university testing to be as strong or stronger than conventional cast PFM\*. Dentists using Capttek™ for nearly a decade have consistently lower remakes.

### BEAUTY\*

Forget about dark margins with Capttek™. Its oxide-free gold surface, together with a unique light dispersion effect, allows the restoration to blend in perfectly in the mouth. The result is a look that is natural and life-like.

### HEALTH\*

Proven healthier to gums over time.

- Clinically proven to significantly reduce plaque and harmful bacteria.
- Corrosion free and thus stable in the oral environment over time.
- Significantly better marginal seal than with traditional metal ceramic restorations or all-ceramic crowns. Better fits greatly enhance health and the security of crown/tooth seal.

## INTERNAL SKELETON\*

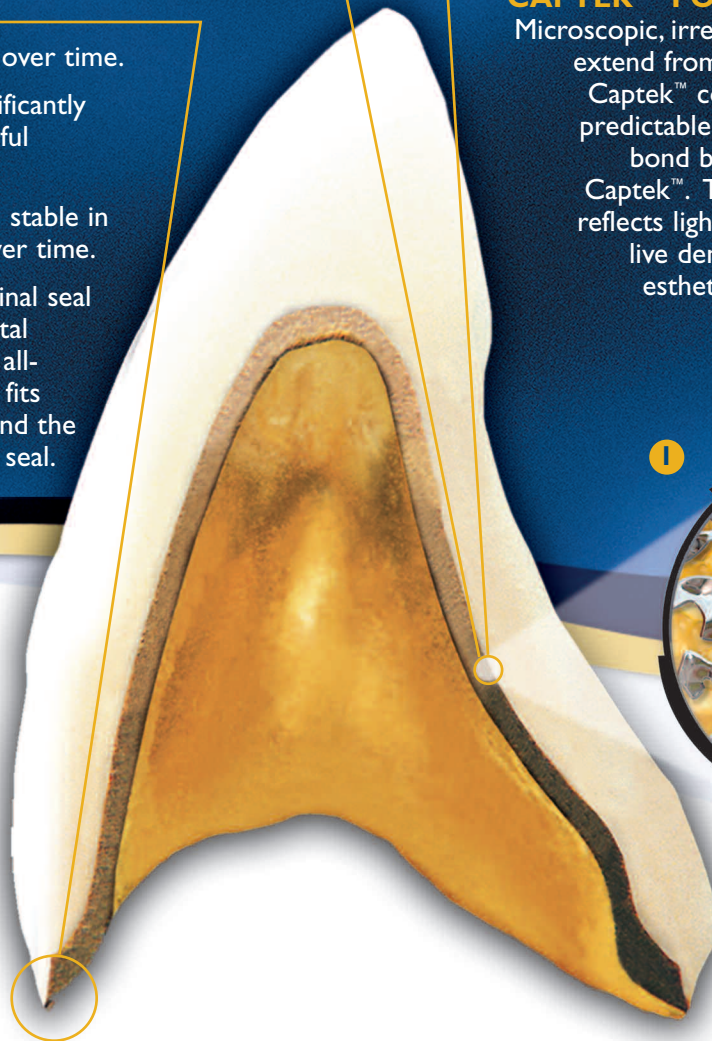
Particles of platinum/palladium become fused to form a rigid, strong, and stable internal skeleton. This structure provides gold and porcelain reinforcement, and is key in producing Capttek's plaque inhibiting qualities. Together, these factors differentiate Capttek™ from all other materials.

## HIGH-PURITY GOLD\*

The internal skeleton is filled through capillary attraction with high purity, oxide-free gold. The gold does not alloy with the internal skeleton and thus maintains its true advantages. This provides the stress-relieving, vibration-absorbing qualities to the crown in addition to the warm gold color.

## CAPTEK™ PORCELAIN BONDER\*

Microscopic, irregular fingerlike structures extend from the outer surface of the Capttek™ coping, providing a strong, predictable interlocking (mechanical) bond between the porcelain and Capttek™. The surface of the bonder reflects light and mimics the color of live dentin. The result is a highly-esthetic, natural-looking crown.



# CAPTEK™

www.capttek.com

\*Research gladly provided upon request