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.

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.

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?
A1: Now, with Captek Bridge and Implant™ material, there are NO SPAN LIMITATIONS:
• Standard Metal Ceramic fabrication parameters apply.

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.

*Research gladly provided upon request
**CAPTEK™ COMPOSITE METAL STRUCTURE**

Captek™ 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 Captek™ is responsible for the outstanding esthetics, strength and extreme health of Captek™ restorations.

**STRENGTH**

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

**BEAUTY**

Forget about dark margins with Captek™. 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 Captek’s plaque inhibiting qualities. Together, these factors differentiate Captek™ 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 Captek™ coping, providing a strong, predictable interlocking (mechanical) bond between the porcelain and Captek™. The surface of the bonder reflects light and mimics the color of live dentin. The result is a highly-esthetic, natural-looking crown.

*Research gladly provided upon request*