



Callisto® CP⁺

Compatible alloy at a controlled price

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At a time when raw materials continue to become more expensive, there is a growing demand for cost-effective, economically priced products. Callisto CP⁺ is a new cobalt-based ceramic-bonded alloy containing palladium that satisfies these requirements.

CP⁺ stands for "controlled price". It refers to the fact that you buy Callisto CP⁺ at a fixed price. The price at which palladium is traded on the stock exchange serves as a reference for the alloy price. This price fluctuates within a certain previously defined range.

Only once the reference price for palladium exceeds this limit, does the price of Callisto CP⁺ increase. If the reference price drops below this range, we will pass this reduction on to you. Consequently, you gain transparency and your calculations become easier.

Transparent alloy price

- Ceramic-bonded alloy containing palladium at a controlled price
- Reduced alloy costs when the market price drops
- No minimum purchase necessary
- A low density of 8.9 g/cm³ produces lower costs per unit compared to other alloys



controlled price

Wide variety of indications

- Broad range of indications, ranging from single restorations to long-span bridges
- Suitable for implant superstructures
- Compatible with the most popular veneering ceramics for the layering and press techniques
- Excellent physical properties including high strength, also suitable for the press technique

Certified biocompatibility

- Patient-preferred composition – Nickel, silver and copper free
- Certified biocompatibility, specially tested for resistance to corrosion
- Precious metal alloy registered with the IdentAlloy Program

Alloy variety from Ivoclar Vivadent: Competence – quality – trust

Ivoclar Vivadent looks back on more than a century of experience in manufacturing high-quality, biocompatible dental alloys. We thus set the standard for purity, service and performance.

We offer a comprehensive alloy selection – ranging from high-gold and palladium-based alloys to base metal alloys. Furthermore, we will be certain that you work with tried-and-tested high-quality products.

Integrated systems solutions: Coordinated – sophisticated – compatible

Our efforts are concentrated on meeting the everyday working needs of dental professionals. We develop entire systems made up of interconnected components that compliment and support one another. They cover all the stages of the dental treatment cycle – from the dental surgery to the dental laboratory.

Ensuring the compatibility of our dental alloys and veneering materials is our highest priority in this process, enabling dental technicians to efficiently process alloys and veneering ceramics.

We are more than happy to fulfill this need.



Callisto® CP+

Composition:

Pd	25 %
Co	40 %
Cr	21.4 %
Mo	12.7 %
W	< 1 %
B	< 1 %
Ta	< 1 %

Properties:

Type	5
Colour	White
Density (g/cm ³)	8.9
Vickers hardness	365
Modulus of elasticity (MPa/Nmm)	180.000
0.2 % proof stress (MPa/Nmm)	640
Pre-heating temperature (°C)	750 -820
Melting range (°C)	1185 - 1275
Casting temperature (°C)	1345 - 1385
Crucible	Ceramic
CTE 25 - 500 °C	14.4
CTE 25 - 600 °C	14.9
Air blasting with Al ₂ O ₃	50 µm, 65 psi
Oxidation °C / min / vac	900 / 1 / w/out vac

Indication:

Inlays	—
Onlays / ¾ crowns	✓
Crowns	✓
Short-span bridges	✓
Long-span bridges	✓
Telescope-/Conus crowns	✓
Posts	✓
Implant superstructures	✓
Model castings	✓



Joining:

Pre-solder	HGPKF 1030 Y, SHFWC
Post-solder	LFWG
Laser welding wire	Laser Ceramic White Laser Ceramic Yellow

Certification:

CE	0120
ISO	22674
Biocompatibility	—

Compatibility / Combination with metal-ceramic systems

Layering technique	IPS InLine, IPS d.SIGN, IPS Classic
Press technique	IPS InLine PoM

Tested on the PFM ceramics from Ivoclar Vivadent. May be used with all popular PFM ceramics in the mentioned CTE range.

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