

Colado[®] CC

Expression of contemporary demands



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Colado CC is a base-metal cobalt-chromium alloy especially for veneering with ceramic and composite materials. Given its ideally coordinated composition, Colado CC is the optimal economic alternative to precious metal alloys. With Colado CC you will work with a tried-and-tested high-quality cobalt-chromium alloy of the latest generation.



Economic efficiency and diversity

With Colado CC, you will have an economic alternative to precious metal alloys. Given the excellently coordinated system of Colado CC and the veneering materials, you will achieve an optimum price/performance ratio. In this way, fixed and removable restorations can be fabricated quickly and easily. Another advantage is the large set of indications that ranges from single crowns to long-span bridges. Colado CC is also excellently suitable for the press technique and for implant superstructures.



Processing properties

An alloy is only as good as its processing properties. With its composition, Colado CC offers ideal physical properties and is thus easy to process. Given its excellent melting properties, Colado CC can be processed with all customary casting devices as well as with the flame. The homogeneous microstructure facilitates further processing and contributes to the easy polishing.

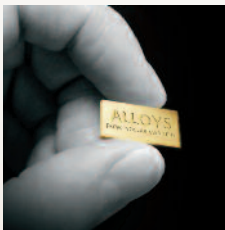
Oxide firing is not required, even though it is recommended to check the quality of the alloy surface. The optimum coefficient of thermal expansion (CTE) permits regular cooling. Only for bulky long-span bridges and ceramic shoulders is long-term cooling recommended.



Biocompatibility

Colado CC is highly corrosion resistant. The biocompatibility was investigated by two independent institutes and confirmed by means of a certificate – in the interest of our patients' health.

Sophisticated quality, ease of use



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, you will be certain that you work with tried-and-tested high-quality alloy products.

Comprehensive system solutions Coordinated – thought out – reliable

For Ivoclar Vivadent, the requirements of daily practice are at the centre. As a leading manufacturer in the dental industry and trendsetter in the field of "Competence in Implant Esthetics", we develop system solutions that supplement and support each other. For the entire treatment cycle from the dentist to the dental technician and back.

In this way, Colado CC is excellently suitable for implant superstructures and demonstrates high bonding strength values to veneering materials. The easy and quick processing of alloys using the various veneering techniques is the desire of every dental technician. We are happy to comply with this wish.



Colado® CC

Technical details

Indications

Single crowns
Telescope and conus crowns
Root canal posts
Short- and long-span bridges
Implant superstructures
Model casting

Properties

Colour	white
Type	5
Density (g/cm ³)	8.5
Melting range (°C)	1175–1385
Casting temperature (°C)	1450–1500
CTE 25–500° C	14.2
Oxide firing °C / min / vacuum	950 / 1 / vacuum
Vickers hardness (HV)	340
0.2 % proof stress (MPa)	500
Modulus of elasticity (MPa)	198.000
Elongation (%)	9.0

Composition

Co	59.0 %
Cr	25.5 %
Mo	5.5 %
W	5.0 %
Ga	3.2 %
Nb	<1 %
Fe	<1 %
B	<1 %
Si	<1 %

Connecting

Solder before firing	SHFWC
Solder after firing	LFWG
Laser welding wire	Laser Ceramic White

Certification

CE	0123
ISO	22674
Biocompatibility	✓

Compatibility with metal-ceramics

Layering technique	IPS InLine, IPS d.SIGN, IPS Classic
Press technique	IPS InLine PoM
Tried and tested on the metal-ceramics from Ivoclar Vivadent, additional suitability for all popular metal-ceramics in the CTE range mentioned above.	



This is a product from our "Implant Esthetics" competence field. Products from this field are optimally coordinated with each other.

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