

Harmony[®] 2



Palladium/silver-based crown and bridge alloy

Harmony[®] 2 is the most economically efficient, golden crown and bridge alloy from Ivoclar Vivadent. It is particularly suitable for full cast short-span crowns and bridges.

Ag 34.3	Pd 32.7	In 28.0	Zn 2.6	Au 2.0	Cr < 1.0	Li < 1.0	B < 1.0	Ir < 1.0
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Advantages

- Affordable, yellow crown and bridge alloy
- Deep yellow colour
- Economical due to low density
- Brilliant high gloss achieved with ease by polishing
- Suitable for bonding systems and veneering composite (SR Nexco[®])
- Certified biocompatibility

Indications

Onlay, 3/4 crowns, crowns, telescope and conus crowns, root canal posts, short- and long-span bridges

Technical Data

Colour	yellow
Type	3
Density (g/cm ³)	9.8
Melting interval (°C)	882 – 1140
Casting temperature (°C)	960 – 1020
Vickers hardness	175
0.2 % proof stress (MPa)	300
Modulus of elasticity [MPa]	75,000
Elongation (%)	5.5



Dental restorations by
H.P. Oss, Innsbruck, Austria

Certificate

Test material: **Harmony® 2**

In %	Ag	Pd	In	Zn	Au	Cr	Li	B	Ir
Harmony® 2	34.3	32.7	28.0	2.6	2.0	<1.0	<1.0	<1.0	<1.0

Manufacturer

Ivoclar Vivadent Inc., 175 Pineview Drive, Amherst, NY 14228, USA

Corrosion resistance

The test was conducted according to the international regulations ISO 22674 and ISO 10271: Static immersion test with analytical determination of the metal ion release after a 7-day immersion.

Result: The metal ion release after 7 days of immersion was not significant.

Testing facility:

Department of Biomedical Materials Science, University of Mississippi Medical Center, 2500 North State Street, Room D528, Jackson, MS 39216-4505

Cytotoxicity

The Agar Diffusion test determines the biological reactivity of the cell culture on the test material.

Result: The test material is considered non-cytotoxic and meets the requirements of the Agar Diffusion test according to ISO 10993-5.

Amherst, November 2012

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