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# DD BioZX<sup>2</sup> 98color

natural chroma-high translucent zirconia

**all 16 VITA<sup>®</sup> shades**



Quality, available for everyone.



# DD Bio ZX<sup>2</sup> 98 color

natural chroma-high translucent zirconia

## DD Bio ZX<sup>2</sup> 98 color – more than two in one

The *DD Bio ZX<sup>2</sup>* system combines the known positive properties of classic zircon with a significant increase in translucency. This material is perfect for all highly aesthetic restorations.

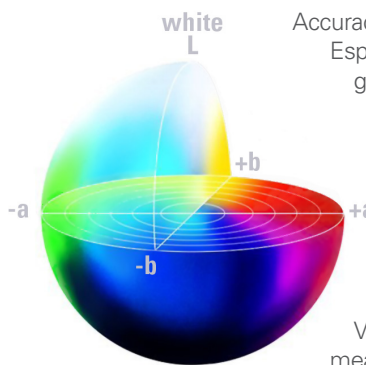
**Ideal for:**

- monolithic crowns and bridges
- cut back (one layer)
- highly aesthetic veneering
- reliable reproduction of color via industrial coloring
- time-saving, as no additional coloring or drying is necessary

characteristics	value
ZrO <sub>2</sub> , HfO <sub>2</sub> , Y <sub>2</sub> O <sub>3</sub>	> 99%
Al <sub>2</sub> O <sub>3</sub>	< 0,5%
other oxides	< 0,25%
fracture toughness	> 6 MPa* m <sup>1/2</sup>
bending strength (4-point)	1200 (+/- 200) MPa

For any span

## Multi-Additive-Technology®

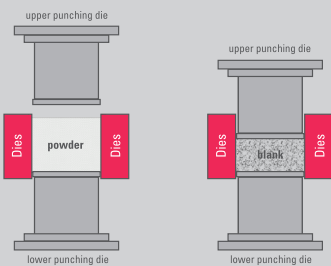


Accuracy in the production of Vita® shades is the foundation for a successful pre-colored zirconia. Especially important is the consistency in the reproduction of shades. The Multi-Additive-Technology® from Dental Direkt defines a new standard in color accuracy according to Vita® shades with an incomparable consistency of color reproduction.

From our experience with *DD Bio ZX<sup>2</sup> color* light, medium, intense, low chromatic and high chromatic we have seen that the demand for the very accurate reproduction of shades has grown tremendously – leading to the ambitious goal of developing all 16 Vita® shades. The demand is driven by an increase in high quality and highly aesthetic monolithic restorations. Within this trend the user benefits from our Multi-Additive-Technology® which combines biocompatible, metal free coloring dopants in a very balanced concentration for every single Vita® shade. The development process of all 16 Vita® shades contains visual approval as well as measuring techniques. Hereby we rely on the L\*a\*b values (see visualization) which are obtained using the CIELAB model.

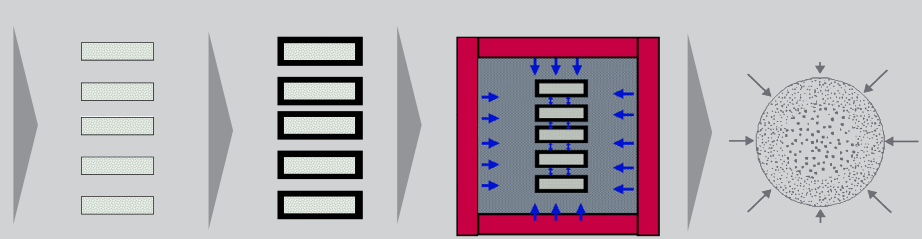
## Isostatic pressing – much more than a quality criterion

### First pressing step: axial



Pre-pressing of the ZrO<sub>2</sub> granules at up to 120 t.

### Second pressing step: isostatic



Axially pre-formed blanks are shrink-wrapped in waterproof moulded sleeves.

Hydrostatic pressing in water bath at up to 2,500 bar. The result is a homogeneous structure free from defects.

To achieve the best strength and translucency, isostatic pressing has to be a core process in zirconium oxide production. When pressing of the blanks is solely uniaxial, they have a greater potential for imperfections in the microstructure and are less homogeneous. In order to guarantee the best properties, all *DD Bio ZX<sup>2</sup>* blanks are pressed individually and isostatically in a complex process.



**DDBioZX<sup>2</sup> 98color**  
natural chroma-high translucent zirconia



<b>color \ height</b>	<b>Ø 98 x 10 mm</b>	<b>Ø 98 x 14 mm</b>	<b>Ø 98 x 18 mm</b>	<b>Ø 98 x 20 mm</b>	<b>Ø 98 x 25 mm</b>
<b>A1</b>	G 590.012.0	G 592.012.0	G 594.012.0	G 595.012.0	G 596.012.0
<b>A2</b>	G 590.006.0	G 592.006.0	G 594.006.0	G 595.006.0	G 596.006.0
<b>A3</b>	G 590.007.0	G 592.007.0	G 594.007.0	G 595.007.0	G 596.007.0
<b>A3,5</b>	G 590.008.0	G 592.008.0	G 594.008.0	G 595.008.0	G 596.008.0
<b>A4</b>	G 590.013.0	G 592.013.0	G 594.013.0	G 595.013.0	G 596.013.0
<b>B1</b>	G 590.014.0	G 592.014.0	G 594.014.0	G 595.014.0	G 596.014.0
<b>B2</b>	G 590.009.0	G 592.009.0	G 594.009.0	G 595.009.0	G 596.009.0
<b>B3</b>	G 590.015.0	G 592.015.0	G 594.015.0	G 595.015.0	G 596.015.0
<b>B4</b>	G 590.016.0	G 592.016.0	G 594.016.0	G 595.016.0	G 596.016.0
<b>C1</b>	G 590.017.0	G 592.017.0	G 594.017.0	G 595.017.0	G 596.017.0
<b>C2</b>	G 590.010.0	G 592.010.0	G 594.010.0	G 595.010.0	G 596.010.0
<b>C3</b>	G 590.018.0	G 592.018.0	G 594.018.0	G 595.018.0	G 596.018.0
<b>C4</b>	G 590.019.0	G 592.019.0	G 594.019.0	G 595.019.0	G 596.019.0
<b>D2</b>	G 590.020.0	G 592.020.0	G 594.020.0	G 595.020.0	G 596.020.0
<b>D3</b>	G 590.011.0	G 592.011.0	G 594.011.0	G 595.011.0	G 596.011.0
<b>D4</b>	G 590.021.0	G 592.021.0	G 594.021.0	G 595.021.0	G 596.021.0
<b>light</b>	G 590.001.0	G 592.001.0	G 594.001.0	G 595.001.0	G 596.001.0
<b>medium</b>	G 590.002.0	G 592.002.0	G 594.002.0	G 595.002.0	G 596.002.0
<b>intense</b>	G 590.003.0	G 592.003.0	G 594.003.0	G 595.003.0	G 596.003.0
<b>low chromatic</b>	G 590.004.0	G 592.004.0	G 594.004.0	G 595.004.0	G 596.004.0
<b>high chromatic</b>	G 590.005.0	G 592.005.0	G 594.005.0	G 595.005.0	G 596.005.0
<b>list price (all prices are net.)</b>	119,00	149,00	189,00	199,00	229,00
<b>quantity</b>	1	1	1	1	1

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