

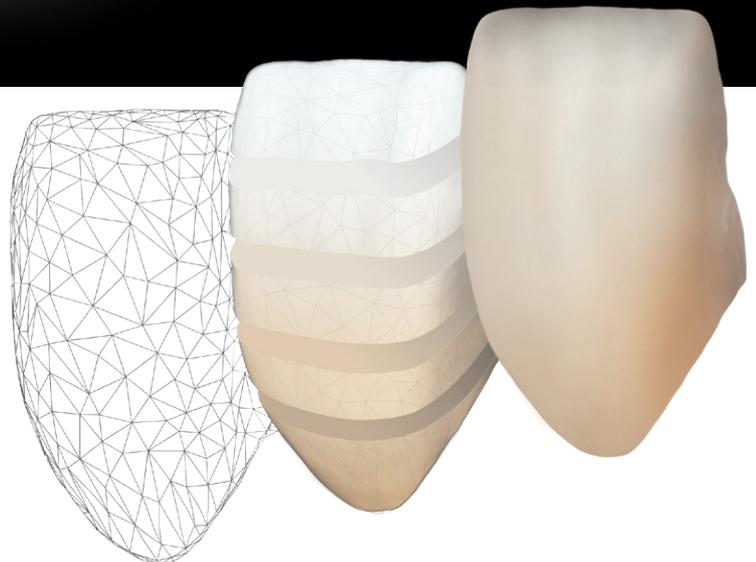
Multitalent

Aesthetic high performance ceramics



DDcubeX²ML[®]
multilayer – cubic zirconia system

Flexural strength > 750 MPa
Translucency up to 49%



CLOSE TO YOU

20
YEARS

Dental
Direkt

DDcubeX²ML[®]

multilayer – cubic zirconia system

The Multitalent in the cubic zirconia system[®]

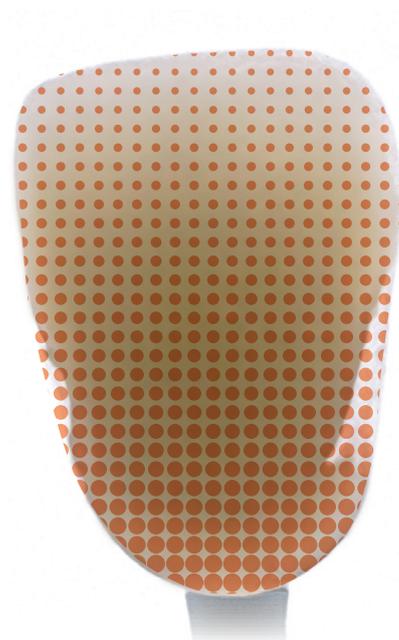
Based on the “DD cubeX²–cubic zirconia system[®]” the blanks offers a flowing color gradation from cervical to incisal. The manufacture of aesthetic monoliths has never been this efficient before. The lively chroma and an increase of translucency in the incisal third meet the highest demands of modern CAD materials.

Multi Additive Technology[®] - for translucency

We describe our procedure for the balanced formulation and homogeneous distribution of the chromophoric ions in the structure as Multi Additive Technology[®].

The color and translucency effect is created through the interaction of light with the zirconium oxide structure modified by the color additives.

We control the refraction of light through the precise reduction of additives in the layers. This is how you achieve a natural translucency gradient. The cubic zirconium oxide unfurls its complete translucence in the upper incisal third.



A1

A2

A3

A3,5

B2

C2

D3

Anterior, milled as pontic (closed form) from DD cubeX²ML. Underexposure on light pad.

Translucency 44% cervical up to 48% incisal

Source: R&D Dental Direkt. Spectrophotometer on 1mm thick, polished samples from color A3. Values vary and are higher in brighter colours.

DDcubeX²ML[®]

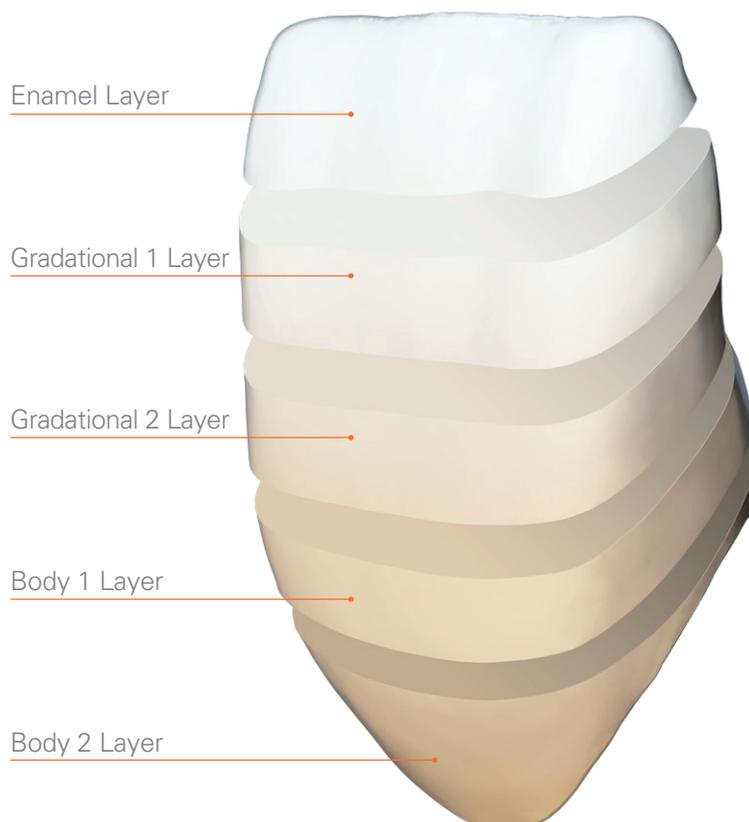
multilayer – cubic zirconia system

Color with concept

The blanks guarantee colours according to Vita[®] and an overlapping, continuous color gradient. The chroma is reduced and significantly brightened in the incisal.

The production process and quality assurance in our transparent factory are characterised by a high level of automation. Close tolerances and sensitive measuring technology ensure a precise reproducibility of the color layers.

As a result you be assured that the desired color gradient as planned in CAD/CAM nesting is achieved after milling and sintering. The height of incisal and lower dentine layers are designed for a flexible variation of color intensity.



Colors correspond to Vita[®] color key. Cross view of 14mm blanks.

More than fast and cost-efficient.

Developed for monolithic masterpieces.

- Individual color gradients - which would otherwise only be possible with the extensive colour-brush technique.
- High color reliability - due to industrial colouring compared to brush technique.
- Reliable color and translucence gradient - due to the Multi Additive Technology[®].
- Resistant to wrapping during sintering - due to individual isostatic redensification of each blank

DDcubeX²ML[®]

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| Technical data | |
|-----------------------------|---|
| Material | 5Y-TZP (ZrO ₂ + HfO ₂ + Y ₂ O ₃ > 99%, Y ₂ O ₃ ~ 5 mol.%) |
| Indication ISO 6872* | Bridges with up to three units, including molar restorations (type II, class 4) |
| Color | 7 Vita [®] Preshaded colors Polychrome – 5 layers Multi Additive Technology [®] |
| Flexural strength ISO 6872* | 750 MPa (3 point test) |
| Crystal structure | 50% cubic / 50% tetragonal |
| Translucency, 1mm | 44% cervical up to 48% incisal (1 mm thick, polished samples per layer, color A3) |

 See instructions for use.
*ISO 6872:2015



| measures | A1 | A2 | A3 | A3,5 | price/item (euro/net) |
|--------------|---------|---------|---------|---------|--------------------------|
| 98,5 x 14 mm | G852007 | G852001 | G852002 | G852003 | 179,00 |
| 98,5 x 18 mm | G854007 | G854001 | G854002 | G854003 | 219,00 |
| 98,5 x 25 mm | G856007 | G856001 | G856002 | G856003 | 259,00 |



| measures | B2 | C2 | D3 | price/item (euro/net) |
|--------------|---------|---------|---------|--------------------------|
| 98,5 x 14 mm | G852004 | G852005 | G852006 | 179,00 |
| 98,5 x 18 mm | G854004 | G854005 | G854006 | 219,00 |
| 98,5 x 25 mm | G856004 | G856005 | G856006 | 259,00 |

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