

EN

# pri<sup>ti</sup>® multidisc ZrO<sub>2</sub>

BRILLIANT RESULTS  
WITH THE NEXT GENERATION  
ZIRCONIA





**CEO prிடெந்தா GmbH**  
Dr. Berthold Reusch

### **Unique in the World of Dentistry**

Our core competence is combining development and production under one roof to produce highly efficient premium products for our consumers.

We leverage our vast experience in developing CAD/CAM products to provide our customers with valuable practical and laboratory expertise and support. Production efficiencies and aesthetics are no longer mutually exclusive: they can be combined to produce excellent results. This provides our customers with a clear, unrivaled advantage!

### **Our Team and Our Commitment**

At the heart of everything we do here at prிடெந்தா is our people. Our employees embody passion for excellence, technical precision and the pride that makes "Made in Germany" a very real and personal pursuit. As a team, we demand the best from ourselves so we deliver only the best to our customers. We are committed to our customers...to listen to them, to support them and to provide solutions which help them succeed. Quite simply, we make our customers' goals our goals.



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# Zirconia

## Available in High Translucent

- 7 harmonious multicolor color gradients
- 16 monochromatic VITA shades
- white

## Available in Translucent

- 7 harmonious multicolor color gradients
- 16 monochromatic VITA shades
- white

## Available in Opaque

- 16 monochromatic VITA shades\*
- white

\*For details on availability, see page 18

# Quality ■ Color Effect ■ Individuality

Simultaneous sintering of all pritedenta zircon materials at 1450°C in one furnace possible

Aesthetic, harmonious color gradients in multicolor blanks

Any layering ceramic suitable for zirconia can be used, even low-fusing veneering paste

Precise rims and edges through highly condensed material

Each blank is measured individually with sintering shrinkage defined to 4 decimal places

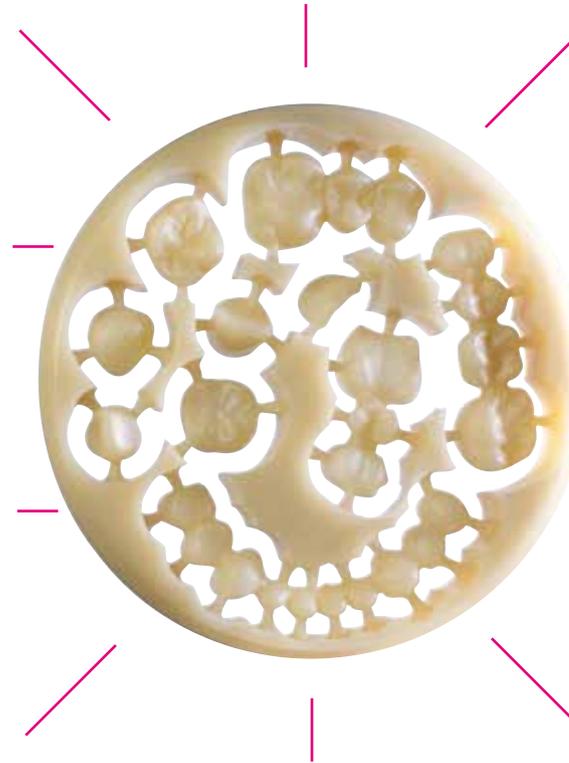
All blanks are available with and without step

Natural, harmonious color effect

98.5 mm diameter blanks for all open CAD/CAM systems

Available in 3 different translucency grades:

- High Translucent with 49% translucency
- Translucent with 40% translucency
- Opaque with 35% translucency



# Material ■ Product Description

All priti®multidiscs ZrO<sub>2</sub> are manufactured from high-purity raw materials. The certified process of uniaxial compression followed by cold isostatic pressing offers the highest level of safety. The high-density zirconia blanks guarantee defined sintering shrinkage and fault-free milling results, ensuring premium aesthetics and cost-efficiency.

Reliable cross-batch color fidelity and homogeneous shading are the result of our in-house manufacturing expertise. Our products are exclusively „Made in Germany“ at our own production site.

**MADE IN GERMANY**

	Opaque	Translucent	High Translucent
Multicolor		 priti®multidisc ZrO <sub>2</sub> multicolor Translucent	 priti®multidisc ZrO <sub>2</sub> multicolor High Translucent
Monochromatic	 priti®multidisc ZrO <sub>2</sub> 16 VITA shades A1 - D4 Opaque	 priti®multidisc ZrO <sub>2</sub> 16 VITA shades A1 - D4 Translucent	 priti®multidisc ZrO <sub>2</sub> 16 VITA shades A1 - D4 High Translucent
White	 priti®multidisc ZrO <sub>2</sub> white Opaque	 priti®multidisc ZrO <sub>2</sub> white Translucent	 priti®multidisc ZrO <sub>2</sub> white High Translucent

Added Value

Aesthetics

## priti®multidisc ZrO<sub>2</sub> – a CAD/CAM round blank made from high-performance zirconia for open CAD/CAM systems:

- priti®multidisc ZrO<sub>2</sub> multicolor: 7 different varieties of multicolor gradients
- priti®multidisc ZrO<sub>2</sub> monochromatic: in the 16 tooth shades of the VITA shade guide
- priti®multidisc ZrO<sub>2</sub>: white

### Translucency Variants

- priti®multidisc ZrO<sub>2</sub> High Translucent with a translucency of 49%
- priti®multidisc ZrO<sub>2</sub> Translucent with a translucency of 40%
- priti®multidisc ZrO<sub>2</sub> Opaque with a translucency of 35%

**priti®multidisc ZrO<sub>2</sub>:**  
This is the quality that your restorations deserve.

# The Production Workflow



**Each Powder Lot**

- ✓ is measured
- ✓ is registered and traceable

**THE RAW MATERIAL**

Zirconium dioxide powder

**SHAPING PROCESS**

Form pressing

Isostatic pressing

**POST-PROCESSING**

Compacting of the green compact

**PRE-FIRING**

Debinding

White Firing (Clean Firing)

**Each Firing is**

- ✓ monitored
- ✓ firing data will be recorded and documented

**Each Blank is**

- ✓ measured
- ✓ has its density checked
- ✓ has its shrinkage measured and calculated
- ✓ is registered and traceable

**QUALITY CONTROL**

Pre-firing density

Shrinkage

Labeling



# Benefits pritidenta ■ Benefits Material

## ✓ pritidenta

### ✓ PEACE OF MIND:

The priti®multidisc ZrO<sub>2</sub> color concept guarantees uniformly colored blanks. For a reliable and reproducible color guarantee - consistent quality from blank to blank.

### ✓ EFFICIENCY:

Pre-colored priti®multidisc ZrO<sub>2</sub> saves dental technicians valuable time since the restoration does not need to be dipped in liquid stain and dried.

### ✓ COMBINABLE:

All the pritidenta products made from zirconia have the same sintering temperature (1450°C). This uniform sintering temperature means that even if materials have different translucency levels they can still be sintered together in the same furnace firing.

### ✓ COMPETENCY:

We are committed to providing premium products. High-quality materials, excellent edge stability, great mechanical properties and high biocompatibility – all down to the hard work and skills of our highly experienced materials experts.

### ✓ EXCLUSIVITY:

Individual color adjustments are possible using „mypriti.“ Customers determine the color effect of „their“ blank. pritidenta will manufacture the blank to order and provide it as a certified medical product to the usual high pritidenta quality standards.

## ✓ Zirconia

### ✓ GENTLE:

The pre-shaded priti®multidisc ZrO<sub>2</sub> prevents contamination of the sintering furnace (unlike the conventional practice of staining in the lab).

### ✓ AESTHETICS:

Pre-shaded zirconia generally has significantly better translucency values than zirconia materials treated with liquid stains.

### ✓ REPRODUCIBLE:

The pre-shaded priti®multidisc ZrO<sub>2</sub> blanks guarantee consistent shading and high levels of process safety. The uniformly penetrating staining process ensures that even when the restoration is finished there are no white spots, which would have a negative optical impact on the finished product.

### ✓ VERSATILITY:

Any layering ceramic suitable zirconia, even low-fusing veneering paste, can be used for individual veneering of priti®multidisc ZrO<sub>2</sub> frameworks.

### ✓ QUICK:

If required, the speed sintering program can be used for priti®multidisc ZrO<sub>2</sub>.

# Overview Product Portfolio priti® multidisc ZrO<sub>2</sub>

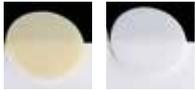
## Why does pridenta offer so many different translucencies, shades and heights?

Each lab or milling center has its own specific requirements regarding the result, the price, the translucency and the area of application: priti® multidisc ZrO<sub>2</sub> offers the right solution for every need - It's good to know that you have a choice when you need it!

### multicolor

<p><b>High Translucent, cubic zirconia</b></p> <ul style="list-style-type: none"> <li>49% translucency</li> <li>flexural strength &gt; 650 MPa</li> <li>bridges with up to 3 units</li> </ul> <p><b>multicolor</b></p>  <p>Variations <b>multicolor</b> 4 light variations 3 dark variations</p>	<p><b>Translucent</b></p> <ul style="list-style-type: none"> <li>40% translucency</li> <li>flexural strength &gt; 1,150 MPa</li> <li>Suitable for a wide range of indications</li> </ul> <p><b>multicolor</b></p>  <p>Variations <b>multicolor</b> 4 light variations 3 dark variations</p>
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### monochromatic

<p><b>High Translucent, cubic zirconia</b></p> <ul style="list-style-type: none"> <li>49% translucency</li> <li>flexural strength &gt; 650 MPa</li> <li>bridges with up to 3 units</li> </ul> <p>16 VITA shades and white</p>  <p>Variations <b>monochromatic</b> 16 VITA shades</p> <p>Variations <b>white</b></p>	<p><b>Translucent</b></p> <ul style="list-style-type: none"> <li>40% translucency</li> <li>flexural strength &gt; 1,150 MPa</li> <li>Suitable for a wide range of indications</li> </ul> <p>16 VITA shades and white</p>  <p>Variations <b>monochromatic</b> 16 VITA shades</p> <p>Variations <b>white</b></p>	<p><b>Opaque</b></p> <ul style="list-style-type: none"> <li>35% T% translucency</li> <li>flexural strength &gt; 1,150 MPa</li> <li>Suitable for a wide range of indications</li> </ul> <p>16 VITA shades and white</p>  <p>Variations <b>monochromatic</b> 16 VITA shades</p> <p>Variations <b>white</b></p>	<p><b>Extreme</b></p> <ul style="list-style-type: none"> <li>35% translucency</li> <li>flexural strength &gt; 1,150 MPa</li> <li>Suitable for a wide range of indications</li> </ul> <p>white</p>  <p>Variations <b>white</b></p>
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Material	High Translucent	Translucent	Opaque	Extreme
<b>Translucency</b>	<b>49%</b>	<b>40%</b>	<b>35%</b>	<b>35%</b>
<b>Material type acc. to ISO 6872</b>	Typ II Class 4	Typ II Class 5	Typ II Class 5	Typ II Class 5
<b>Strength</b>	High strength	Very high strength	Very high strength	Very high strength
<b>Flexural Strength MPa</b>	> 650 MPa	> 1,150 MPa	> 1,150 MPa	> 1,150 MPa
<b>CTA</b>	$10 \cdot 10^{-6} \cdot K^{-1}$			



## Cementation

The restorations can be attached in a conventional fashion with zinc oxide phosphate cement or glass ionomer cement. Even an adhesive or self-adhesive attachment is possible with the help of suitable composite materials. For high aesthetic demands and in order to avoid loss of translucency, it is imperative to use tooth-colored adhesives.



## Minimum Wall Thickness for single crowns

Anterior tooth 0.4 mm  
Posterior tooth 0.6 mm



## Sintering Cycle

### Standard Sintering Process Recommendation:

Heating and cooling rate of 10 °C/min  
Holding time: 120 minutes at 1,450 °C  
Total sinter time approx. 7 hours

### Quick Sintering Process Recommendation:

(for bridges with up to 3 units)  
Heating at 10 °C/min  
Holding time: 30 minutes at 1,500 °C  
Cool-down rate: 40 °C/min  
Total sinter time approx. 4 hours



## priti<sup>®</sup> multidisc ZrO<sub>2</sub> multicolor High Translucent and Translucent

### ADVANTAGES OF THE MULTICOLOR BLANKS

#### ✓ HIGHLY AESTHETIC

Harmoniously adjusted color gradients that meet the highest aesthetic demands. You can work fully anatomically, even without ceramic layering.

#### ✓ QUICK

Since time-consuming procedures such as dipping, painting or drying are no longer required, the sintering process can start immediately after milling.

#### ✓ SIMPLE

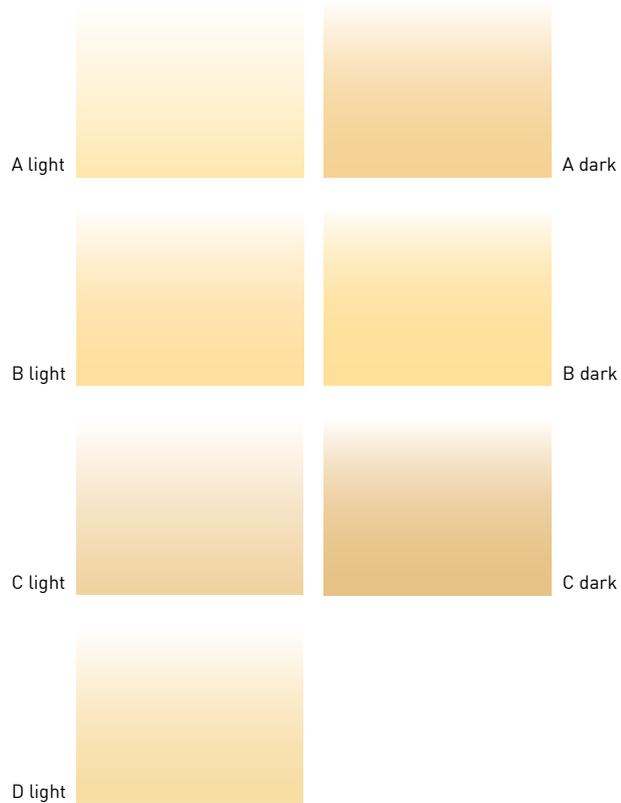
You can achieve convincing, highly aesthetic results just just by glazing or polishing.

#### ✓ CAN BE REPRODUCED AT ANY TIME

Our specially developed MPT software application helps you to precisely position the CAD restoration in the blank in order to get the desired color effect.

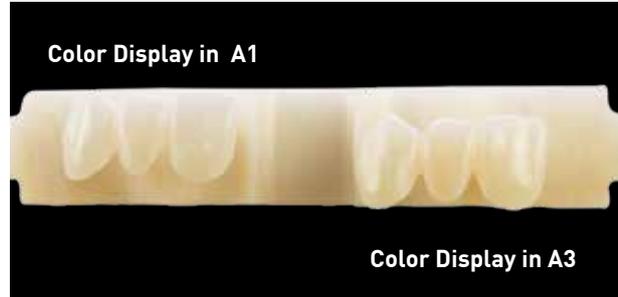
# priti<sup>®</sup>multidisc ZrO<sub>2</sub> multicolor

## High Translucent and Translucent



The illustrated colors relate to the variant priti<sup>®</sup>multidisc ZrO<sub>2</sub> Translucent.  
Printed color can be slightly different from actual color.

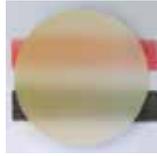
Depending on how the restoration is positioned in an 18 mm A light blank, you can achieve A1, A2 or A3 shades in a harmonious color gradient.



Each dental technician has his or her own perception and preference of color and aesthetics. In addition, there are a number of different veneering systems in use. Our information on the VITA Classical shades is therefore for guidance only and our colors may differ slightly from the VITA shades.



# priti® multidisc ZrO<sub>2</sub> multicolor High Translucent, cubic zirconia, with a translucency of 49%



priti® multidisc ZrO<sub>2</sub> High Translucent A dark, 3-unit front tooth bridge, not painted, only glaze fired

Depending on the positioning of the restoration in the blank, the following shades can be achieved:

pridenta-shade name	VITA shade key
A light	A1-A3
A dark	A3,5-A4
B light	B1-B2
B dark	B3-B4
C light	C1-C2
C dark	C3-C4
D light	D2-D4

### Suitable for:

- all open milling machines for blanks with a diameter of 98.5 mm

### Indications:

- Highly aesthetic monolithic, fully anatomical crowns, partial crowns and **bridges with up to 3-units**, inlays, onlays and veneers
- Highly recommended for partially or fully veneered highly aesthetic work

### Material:

- Zirconia type II, Class 4 according to DIN EN ISO 6872
- Good flexural strength of > 650 MPa
- Very high translucency of 49%, comparable with lithium disilicate
- Superior aesthetics
- Very good resistance to aging
- Thin wall thicknesses for single crowns in the anterior tooth area 0.4 mm and in the posterior tooth area 0.6 mm
- Biocompatible

Height	A light	A dark	B light	B dark	C light	C dark	D light
14 mm	13107-D985-14ALHT	13107-D985-14ADHT	13107-D985-14BLHT	13107-D985-14BDHT	13107-D985-14CLHT	13107-D985-14CDHT	13107-D985-14DLHT
18 mm	13107-D985-18ALHT	13107-D985-18ADHT	13107-D985-18BLHT	13107-D985-18BDHT	13107-D985-18CLHT	13107-D985-18CDHT	13107-D985-18DLHT
20 mm	13107-D985-20ALHT	13107-D985-20ADHT	13107-D985-20BLHT	13107-D985-20BDHT	13107-D985-20CLHT	13107-D985-20CDHT	13107-D985-20DLHT
25 mm	13107-D985-25ALHT	13107-D985-25ADHT	13107-D985-25BLHT	13107-D985-25BDHT	13107-D985-25CLHT	13107-D985-25CDHT	13107-D985-25DLHT

# priti<sup>®</sup>multidisc ZrO<sub>2</sub> multicolor Translucent, with a translucency of 40%



priti<sup>®</sup>multidisc ZrO<sub>2</sub> Translucent A dark,  
4-unit bridge, not painted, only glaze fired

### Suitable for:

- all open milling machines for blanks with a diameter of 98.5 mm

### Indications:

- Very aesthetic monolithic, anatomical crowns, partial crowns and **bridges with up to 16-units**, frameworks
- Highly recommended for partially or fully veneered aesthetic work

### Material:

- Zirconia type II, Class 5 according to DIN EN ISO 6872
- Good flexural strength of > 1,150 MPa
- High translucency of 40%
- High aesthetics
- Good aging resistance
- Thin wall thicknesses for single crowns in the anterior tooth area 0.4 mm and in the posterior tooth area 0.6 mm
- Biocompatible

**Depending on the positioning of the restoration in the blank, the following shades can be achieved:**

pritidenta-shade name	VITA shade key
A light	A1-A3
A dark	A3,5-A4
B light	B1-B2
B dark	B3-B4
C light	C1-C2
C dark	C3-C4
D light	D2-D4

Height	A light	A dark	B light	B dark	C light	C dark	D light
14 mm	13107-D985-14ALT	13107-D985-14ADT	13107-D985-14BLT	13107-D985-14BDT	13107-D985-14CLT	13107-D985-14CDT	13107-D985-14DLT
18 mm	13107-D985-18ALT	13107-D985-18ADT	13107-D985-18BLT	13107-D985-18BDT	13107-D985-18CLT	13107-D985-18CDT	13107-D985-18DLT
20 mm	13107-D985-20ALT	13107-D985-20ADT	13107-D985-20BLT	13107-D985-20BDT	13107-D985-20CLT	13107-D985-20CDT	13107-D985-20DLT
25 mm	13107-D985-25ALT	13107-D985-25ADT	13107-D985-25BLT	13107-D985-25BDT	13107-D985-25CLT	13107-D985-25CDT	13107-D985-25DLT



# pritti® multidisc ZrO<sub>2</sub>

monochrome in 16 VITA shades and white  
High Translucent, Translucent and Opaque

## ADVANTAGES OF MONOCHROMATIC SHADED BLANKS

### **Why pre-shaded Material?**

Applying a penetrating, homogeneous stain to the material does away with the need for processes such as dipping, painting and drying. This not only saves time and effort, but it also helps to avoid potential manual errors during the staining process. This reduces production costs and your customers will appreciate the consistent and reproducible color quality.

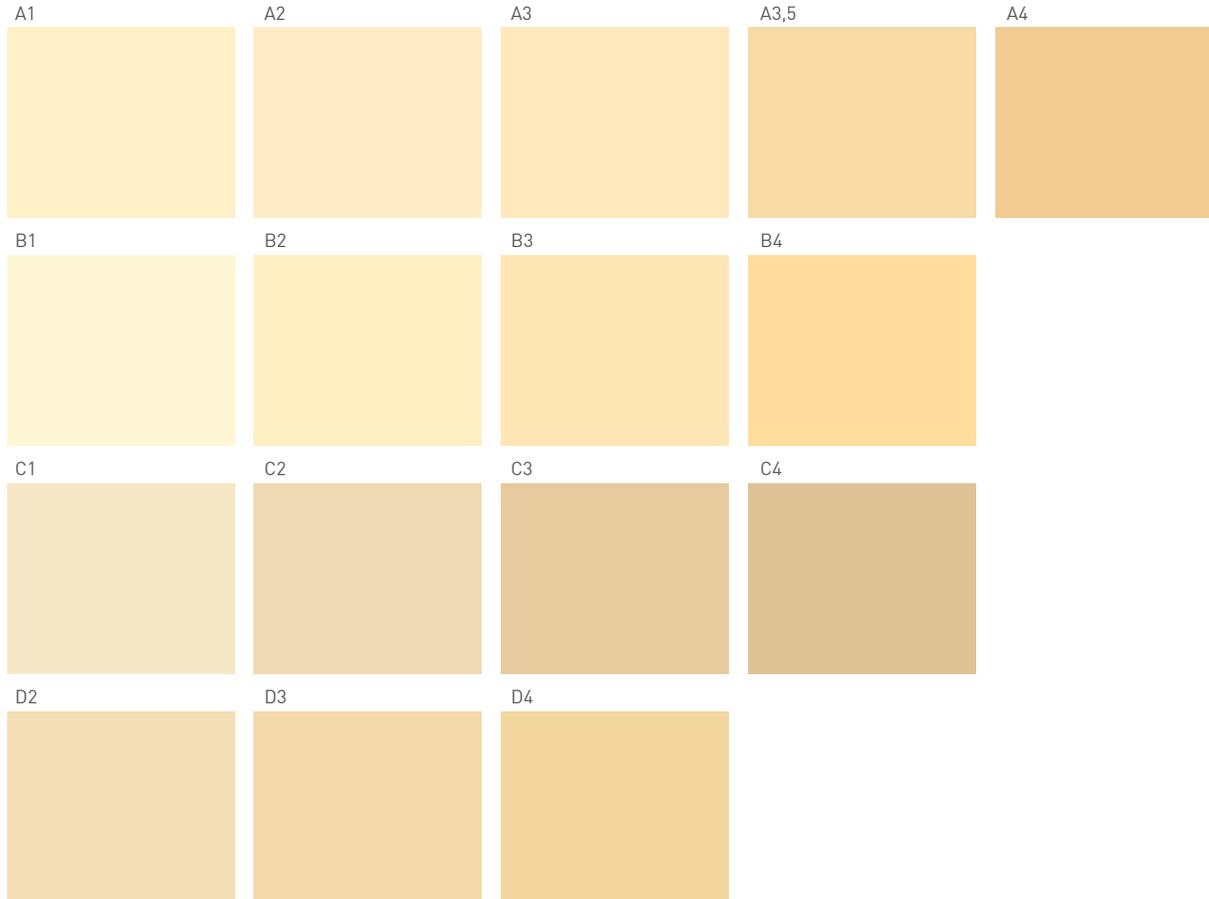
Since the material comes fully pre-shaded, even finishing or adjustment grinding do not leave light spots, which would have a negative optical impact on the finished product.

### **Industrially pre-shaded Zirconia Blanks can be Reproduced at any Time.**

Pre-shaded material is good for your sintering furnace and protects the material against damage. Acid-based liquid stains can emit fumes during the sintering process which leave deposits and contaminate the furnace. This can cause undesirable discoloration and/ or loss of translucency. Using industrially pre-shaded zirconia ensures consistent color results.

# priti<sup>®</sup>multidisc ZrO<sub>2</sub>

monochrome in 16 VITA shades and white  
High Translucent, Translucent and Opaque



The illustrated colors relate to the variant priti<sup>®</sup>multidisc ZrO<sub>2</sub> Translucent.  
Printed color can be slightly different from actual color.

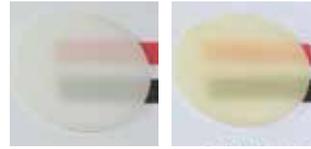


Each dental technician has his or her own perception and preference of color and aesthetics. In addition, there are a number of different veneering systems in use.

Our information on the VITA Classical shades is therefore for guidance only and our colors may differ slightly from the VITA shades.



# priti® multidisc ZrO<sub>2</sub>, High Translucent, cubic zirconia zirconia in 16 VITA shades and white with a translucency of 49%



priti® multidisc ZrO<sub>2</sub> High Translucent A3  
3-unit anterior tooth bridge reduced

### Suitable for:

- all open milling machines for blanks with a diameter of 98.5 mm

### Indications:

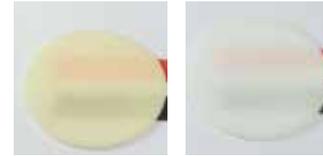
- Highly aesthetic monolithic, fully anatomical crowns, partial crowns and **bridges with up to 3-units**, inlays, onlays and veneers
- Highly recommended for partially or fully veneered highly aesthetic work

### Material:

- Zirconia type II, Class 4 according to DIN EN ISO 6872
- Good flexural strength of > 650 MPa
- Very high translucency of 49%
- Superior Aesthetics
- Extremely good resistance to aging
- Thin wall thicknesses for single crowns in the anterior tooth area 0.4 mm and in the posterior tooth area 0.6 mm
- Biocompatible

Height	A1	A2	A3	A3,5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4	white
10 mm	13107-D985-10A1HT	13107-D985-10A2HT	13107-D985-10A3HT	13107-D985-10A35HT	13107-D985-10A4HT	13107-D985-10B1HT	13107-D985-10B2HT	13107-D985-10B3HT	13107-D985-10B4HT	13107-D985-10C1HT	13107-D985-10C2HT	13107-D985-10C3HT	13107-D985-10C4HT	13107-D985-10D2HT	13107-D985-10D3HT	13107-D985-10D4HT	13107-D985-10HT
12 mm	13107-D985-12A1HT	13107-D985-12A2HT	13107-D985-12A3HT	13107-D985-12A35HT	13107-D985-12A4HT	13107-D985-12B1HT	13107-D985-12B2HT	13107-D985-12B3HT	13107-D985-12B4HT	13107-D985-12C1HT	13107-D985-12C2HT	13107-D985-12C3HT	13107-D985-12C4HT	13107-D985-12D2HT	13107-D985-12D3HT	13107-D985-12D4HT	13107-D985-12HT
14 mm	13107-D985-14A1HT	13107-D985-14A2HT	13107-D985-14A3HT	13107-D985-14A35HT	13107-D985-14A4HT	13107-D985-14B1HT	13107-D985-14B2HT	13107-D985-14B3HT	13107-D985-14B4HT	13107-D985-14C1HT	13107-D985-14C2HT	13107-D985-14C3HT	13107-D985-14C4HT	13107-D985-14D2HT	13107-D985-14D3HT	13107-D985-14D4HT	13107-D985-14HT
16 mm	13107-D985-16A1HT	13107-D985-16A2HT	13107-D985-16A3HT	13107-D985-16A35HT	13107-D985-16A4HT	13107-D985-16B1HT	13107-D985-16B2HT	13107-D985-16B3HT	13107-D985-16B4HT	13107-D985-16C1HT	13107-D985-16C2HT	13107-D985-16C3HT	13107-D985-16C4HT	13107-D985-16D2HT	13107-D985-16D3HT	13107-D985-16D4HT	13107-D985-16HT
18 mm	13107-D985-18A1HT	13107-D985-18A2HT	13107-D985-18A3HT	13107-D985-18A35HT	13107-D985-18A4HT	13107-D985-18B1HT	13107-D985-18B2HT	13107-D985-18B3HT	13107-D985-18B4HT	13107-D985-18C1HT	13107-D985-18C2HT	13107-D985-18C3HT	13107-D985-18C4HT	13107-D985-18D2HT	13107-D985-18D3HT	13107-D985-18D4HT	13107-D985-18HT
20 mm	13107-D985-20A1HT	13107-D985-20A2HT	13107-D985-20A3HT	13107-D985-20A35HT	13107-D985-20A4HT	13107-D985-20B1HT	13107-D985-20B2HT	13107-D985-20B3HT	13107-D985-20B4HT	13107-D985-20C1HT	13107-D985-20C2HT	13107-D985-20C3HT	13107-D985-20C4HT	13107-D985-20D2HT	13107-D985-20D3HT	13107-D985-20D4HT	13107-D985-20HT

# priti® multidisc ZrO<sub>2</sub>, Translucent, in 16 VITA shades and white with a translucency of 40%



priti® multidisc ZrO<sub>2</sub> Translucent A3 10-unit bridge

### Suitable for:

- all open milling machines for blanks with a diameter of 98.5 mm

### Indications:

- Very aesthetic monolithic, anatomical crowns, partial crowns and **bridges with up to 16-units**, frameworks
- Highly recommended for partially or fully veneered highly aesthetic work

### Material:

- Zirconia type II, Class 5 according to DIN EN ISO 6872
- Good flexural strength of > 1,150 MPa
- High translucency of 40%
- High aesthetics
- Good aging resistance
- Thin wall thicknesses for single crowns in the anterior tooth area 0.4 mm and in the posterior tooth area 0.6 mm
- Biocompatible

Height	A1	A2	A3	A3,5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4	white
10 mm	13107-D985-10A1T	13107-D985-10A2T	13107-D985-10A3T	13107-D985-10A35T	13107-D985-10A4T	13107-D985-10B1T	13107-D985-10B2T	13107-D985-10B3T	13107-D985-10B4T	13107-D985-10C1T	13107-D985-10C2T	13107-D985-10C3T	13107-D985-10C4T	13107-D985-10D2T	13107-D985-10D3T	13107-D985-10D4T	13107-D985-10T
12 mm	13107-D985-12A1T	13107-D985-12A2T	13107-D985-12A3T	13107-D985-12A35T	13107-D985-12A4T	13107-D985-12B1T	13107-D985-12B2T	13107-D985-12B3T	13107-D985-12B4T	13107-D985-12C1T	13107-D985-12C2T	13107-D985-12C3T	13107-D985-12C4T	13107-D985-12D2T	13107-D985-12D3T	13107-D985-12D4T	13107-D985-12T
14 mm	13107-D985-14A1T	13107-D985-14A2T	13107-D985-14A3T	13107-D985-14A35T	13107-D985-14A4T	13107-D985-14B1T	13107-D985-14B2T	13107-D985-14B3T	13107-D985-14B4T	13107-D985-14C1T	13107-D985-14C2T	13107-D985-14C3T	13107-D985-14C4T	13107-D985-14D2T	13107-D985-14D3T	13107-D985-14D4T	13107-D985-14T
16 mm	13107-D985-16A1T	13107-D985-16A2T	13107-D985-16A3T	13107-D985-16A35T	13107-D985-16A4T	13107-D985-16B1T	13107-D985-16B2T	13107-D985-16B3T	13107-D985-16B4T	13107-D985-16C1T	13107-D985-16C2T	13107-D985-16C3T	13107-D985-16C4T	13107-D985-16D2T	13107-D985-16D3T	13107-D985-16D4T	13107-D985-16T
18 mm	13107-D985-18A1T	13107-D985-18A2T	13107-D985-18A3T	13107-D985-18A35T	13107-D985-18A4T	13107-D985-18B1T	13107-D985-18B2T	13107-D985-18B3T	13107-D985-18B4T	13107-D985-18C1T	13107-D985-18C2T	13107-D985-18C3T	13107-D985-18C4T	13107-D985-18D2T	13107-D985-18D3T	13107-D985-18D4T	13107-D985-18T
20 mm	13107-D985-20A1T	13107-D985-20A2T	13107-D985-20A3T	13107-D985-20A35T	13107-D985-20A4T	13107-D985-20B1T	13107-D985-20B2T	13107-D985-20B3T	13107-D985-20B4T	13107-D985-20C1T	13107-D985-20C2T	13107-D985-20C3T	13107-D985-20C4T	13107-D985-20D2T	13107-D985-20D3T	13107-D985-20D4T	13107-D985-20T
25 mm	13107-D985-25A1T	13107-D985-25A2T	13107-D985-25A3T	13107-D985-25A35T	13107-D985-25A4T	13107-D985-25B1T	13107-D985-25B2T	13107-D985-25B3T	13107-D985-25B4T	13107-D985-25C1T	13107-D985-25C2T	13107-D985-25C3T	13107-D985-25C4T	13107-D985-25D2T	13107-D985-25D3T	13107-D985-25D4T	13107-D985-25T



Opaque



priti®multidisc ZrO<sub>2</sub> Opaque A3 4-unit bridge reduced

# priti®multidisc ZrO<sub>2</sub> Opaque, in 16 VITA shades and white with a Translucency of 35%



### Suitable for:

- all open milling machines for blanks with a diameter of 98.5 mm

### Indications:

- Crowns and **bridges with up to 16-units**, partial and full frameworks and superstructures
- Recommended for covering discolored tooth stumps or metal structures

### Material:

- Zirconia type II, Class 5 according to DIN EN ISO 6872
- Good flexural strength of > 1,150 MPa
- Very high translucency of 35%
- Good aging resistance
- Thin wall thicknesses for single crowns in the anterior tooth area 0.4 mm and in the posterior tooth area 0.6 mm
- Biocompatible

Height	A1	A2	A3	A3,5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4	white
10 mm	13107-D985-10A1	13107-D985-10A2	13107-D985-10A3	13107-D985-10A35	13107-D985-10A4	13107-D985-10B1	13107-D985-10B2	13107-D985-10B3	13107-D985-10B4	13107-D985-10C1	13107-D985-10C2	13107-D985-10C3	13107-D985-10C4	13107-D985-10D2	13107-D985-10D3	13107-D985-10D4	13107-D985-10
12 mm	13107-D985-12A1	13107-D985-12A2	13107-D985-12A3	13107-D985-12A35	13107-D985-12A4	13107-D985-12B1	13107-D985-12B2	13107-D985-12B3	13107-D985-12B4	13107-D985-12C1	13107-D985-12C2	13107-D985-12C3	13107-D985-12C4	13107-D985-12D2	13107-D985-12D3	13107-D985-12D4	13107-D985-12
14 mm	13107-D985-14A1	13107-D985-14A2	13107-D985-14A3	13107-D985-14A35	13107-D985-14A4	13107-D985-14B1	13107-D985-14B2	13107-D985-14B3	13107-D985-14B4	13107-D985-14C1	13107-D985-14C2	13107-D985-14C3	13107-D985-14C4	13107-D985-14D2	13107-D985-14D3	13107-D985-14D4	13107-D985-14
16 mm	13107-D985-16A1	13107-D985-16A2	13107-D985-16A3	13107-D985-16A35	13107-D985-16A4	13107-D985-16B1	13107-D985-16B2	13107-D985-16B3	13107-D985-16B4	13107-D985-16C1	13107-D985-16C2	13107-D985-16C3	13107-D985-16C4	13107-D985-16D2	13107-D985-16D3	13107-D985-16D4	13107-D985-16
18 mm	13107-D985-18A1	13107-D985-18A2	13107-D985-18A3	13107-D985-18A35	13107-D985-18A4	13107-D985-18B1	13107-D985-18B2	13107-D985-18B3	13107-D985-18B4	13107-D985-18C1	13107-D985-18C2	13107-D985-18C3	13107-D985-18C4	13107-D985-18D2	13107-D985-18D3	13107-D985-18D4	13107-D985-18
20 mm	13107-D985-20A1	13107-D985-20A2	13107-D985-20A3	13107-D985-20A35	13107-D985-20A4	13107-D985-20B1	13107-D985-20B2	13107-D985-20B3	13107-D985-20B4	13107-D985-20C1	13107-D985-20C2	13107-D985-20C3	13107-D985-20C4	13107-D985-20D2	13107-D985-20D3	13107-D985-20D4	13107-D985-20
25 mm	13107-D985-25A1	13107-D985-25A2	13107-D985-25A3	13107-D985-25A35	13107-D985-25A4	13107-D985-25B1	13107-D985-25B2	13107-D985-25B3	13107-D985-25B4	13107-D985-25C1	13107-D985-25C2	13107-D985-25C3	13107-D985-25C4	13107-D985-25D2	13107-D985-25D3	13107-D985-25D4	13107-D985-25



# priti<sup>®</sup>multidisc ZrO<sub>2</sub> Extreme, white with a translucency of 35%



priti<sup>®</sup>multidisc ZrO<sub>2</sub> Extreme white, implant bridge

### Suitable for:

- all open milling machines for blanks with a diameter of 98.5 mm

### Indications:

- For particularly high precision work such as screw-retained implant bridges

### Material:

- Zirconia type II, Class 5 according to DIN EN ISO 6872, purely isostatically compacted zirconia
- Good flexural strength of > 1,150 MPa
- Translucency of 35%
- High aesthetics
- Good aging resistance
- Thin wall thicknesses for single crowns in the anterior tooth area 0.4 mm and in the posterior tooth area 0.6 mm
- Biocompatible

Height	white
20 mm	13007-D985-20
25 mm	13007-D985-25

**Other Varieties Upon Request**

# mypriti® – Zirconia according to your taste

Do you have special requirements? Are you looking for a customized blend of color and translucency?  
We call that **mypriti®**.

Use your custom-developed zirconia in your milling center or lab, ade just for you and to your personal taste.

STEP  
**1**

**You Define the Base Color and we Develop the shade According to Your Specifications.**

STEP  
**2**

**You Can Choose From 3 Translucencies:  
High Translucent, Translucent and Opaque**



STEP  
**3**

**Adjustment According to Your Wishes and Ideas**

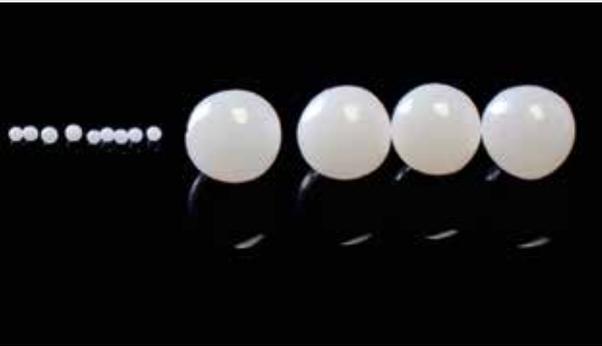




STEP  
**4**

Production of the Zirconia,  
Blended Exclusively for You

# Accessories



priti <sup>®</sup> sinter Sinter Beads	Item Number
0,3 mm diameter	13107-D300203
2.0 mm diameter	13107-D300220

## priti<sup>®</sup>pearl Sinter Beads

Sinter beads are the ideal material for the safe and stable positioning of fully ceramic restorations in the sintering furnace, particularly for those made from zirconia.

- For sintering temperatures up to 1,600 °C
- Available in two diameters:
  - Ø 0.3 mm, well suited for bridge restorations
  - Ø 2.0 mm, well suited for single tooth restorations
- Content 200 grams



priti <sup>®</sup> clean ZrO <sub>2</sub> Cleaning Powder	Item Number
200g	13107-D200200

## priti<sup>®</sup>clean Cleaning Powder

The cleaning powder priti<sup>®</sup>clean ensures pure sintering results. It is used in the firing chamber of the sintering furnace to absorb impurities and to keep the chamber clean. Regular usage is recommended to ensure accurate, color-constant sinter results.

- Clean, color constant sinter results
- No green or yellow discoloration of the restorations
- Ensures a longer life span of the heating rods
- No new deposits
- Content 200 grams



priti <sup>®</sup> bowl	Item Number
98 mm diameter	11010-D000098
118 mm diameter	11010-D000118

## priti<sup>®</sup>bowl Sinter Bowls

The sinter bowls are manufactured from aluminum oxide and are suitable for high temperature applications up to 1,500 °C in dental furnaces. Due to the high porosity of the material, it exhibits a high endurance to changing temperatures.

- For up to 1,000 firing cycles
- Suitable for quick sintering
- Available in two diameters:
  - Ø 98 mm
  - Ø 118 mm

# Accessories

## MPT – Multicolor Positioning Tool pritidenta®

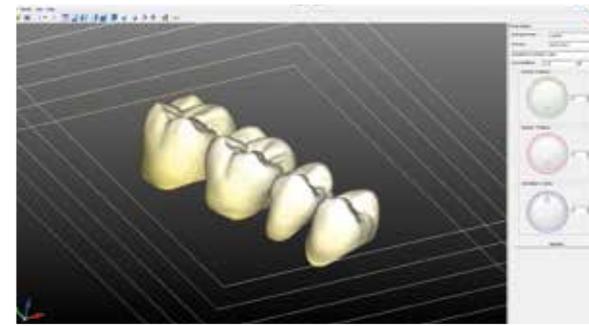
In addition to the innovative priti®multidisc ZrO<sub>2</sub> multicolor blanks with a natural color gradient, we offer a software application which ensures that the restoration is perfectly positioned in the blank. The MPT software simulates the color gradient of the multicolor blank after sintering and projects the effect of the color on the CAD restoration. This way, the desired positioning can be chosen before milling.

All multicolor blanks have been digitally analyzed according to their base color and their color gradient. The CAD model (STL file) can be visualized by the dental technician in real time to check its location and position in the color-matched multicolor blank. Rotating the restoration adjusts the color gradient whilst moving it along the vertical plane alters the color intensity.

The priti®multidisc ZrO<sub>2</sub> multicolor blanks simplify the dental technician's work considerably. This software helps you position the restoration in the blank in a reliable and reproducible way, allowing you to gain the optimum benefits from the system. The MPT - Multicolor Positioning Tool – is the best possible way of ensuring you achieve perfect aesthetic results.

### Process

- Start the software
- Open the CAD model (STL file)
- Insert the order data
- Select color and height of pritidenta multicolor round blank
- Select shrinkage factor
- Position and adjust the CAD restoration
- A single click will save the transfer formats: Store the CAD model in the new position, generate a document with screen shots and create a TXT file with information on positioning (rotation around the X-axis, Y-axis, height adjustment)



**Title Image:** priti®multidisc ZrO<sub>2</sub> High Translucent A dark, not painted or layered, just glaze fired

## Your Contact:



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