

Esthetics – for highest demands

Multi Translucent **PLUS**



Go ahead and DO IT!

Discover our all-rounder

IMAGINE MIXING 2 DIFFERENT MATERIAL QUALITIES ...

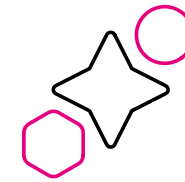
The result is an efficient variant of a high-strength and variably translucent product made of zirconium dioxide.

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Profile - beautiful and strong

Discover the new versatility



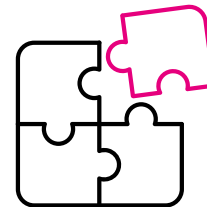
VERSATILE INDICATIONS

Highly esthetic, monolithic, fully anatomical crowns, partial crowns and bridges with up to 14 units, inlays, onlays, veneers and abutments as well as frameworks.



STABLE & NATURAL

Compromise is a thing of the past. Now the end result is what counts. Thanks to a strength of > 800 MPa across the whole blank and based on the study (see p. 10), widespan work can also be implemented safely.



WHICH TECHNIQUE WOULD YOU LIKE?

You can choose between staining, cut-back and veneering techniques.



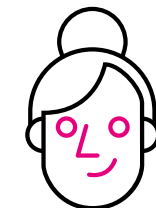
HIGH-END ESTHETICS

Very high esthetics for fully or partially anatomical restorations.



CREATIVE POWER

- Combines grace with mechanical resilience
- Ideal for anterior restoration
- Impressive for all requirements



SATISFIED PATIENTS

Don't compromise when it comes to the best result for the patient!

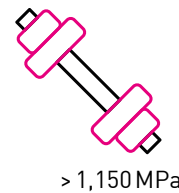
For the highest standards

Translucency from > 49 % to > 45 %

priti®multidisc ZrO₂ Multi Translucent PLUS particularly stands out thanks to its very high level of stability. This is achieved via the special layering (see graphic below).

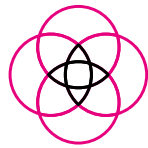
STRENGTH

> 800 MPa

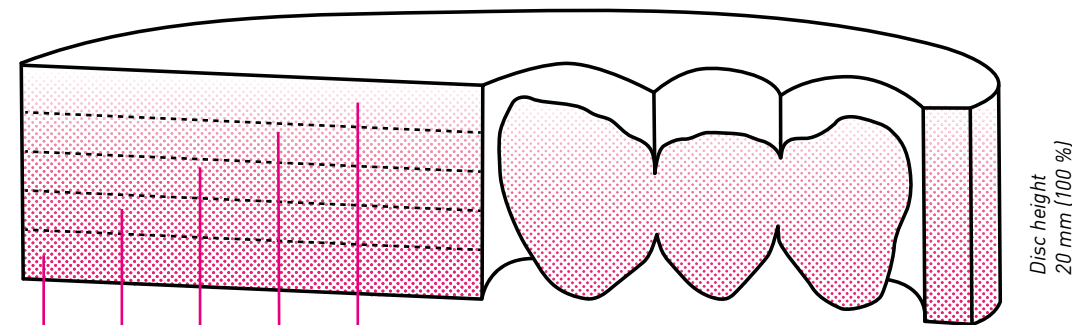


TRANSLUCENCY

> 49 %



> 45 %



[Image representation does not correspond to the exact technical layering.]

Product information

priti®multidisc ZrO₂ Multi Translucent **PLUS** (5Y/4Y-TZP)

Suitable for all indications and available in all 16 VITA® classic shades and in 3 "Bleach" shades.

Heights: 14 mm, 16 mm, 18 mm, 20 mm and 25 mm

Blank diameter: 98.5 mm

TO SUM UP ...

- Advantages of 4Y (Extra Translucent with very high strength) and 5Y (High Translucent with optimum translucency) combined in one blank
- Good cervical opaque masking properties
- Gradual transition into the dentine
- Increasing translucency in the transition to the incisal area of > 800 MPa in all layers
- Very high level of stability (see scientific study, p. 10)

MATERIAL

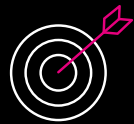
- Zirconium dioxide Type II, Class 5 according to DIN EN ISO 6872
- **Flexural strength: typical mean value $\geq 1,100$ MPa**
- **Translucency gradient from > 45 % to > 49 %**
- Highly compressed material ensures precise margins and edges
- Veneering is possible with any ceramic material that is compatible with the CTE $(10,5 \pm 0,5) \cdot 10^{-6} \cdot K^{-1}$ of ZrO₂
- Homogeneous colouring
- Rapid sintering with a total time of approx. 4 hours; approved for restorations with up to 3 units



priti®multidisc ZrO₂ Multi Translucent PLUS, 7-unit bridge, finished with priti®perfect, shade A2

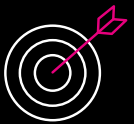
FAQ

Find quick answers to frequently asked questions about Multi Translucent **PLUS**



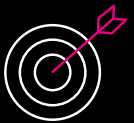
WHY DOES THE DISC CHIP/SPLINTER WHEN IT IS CLAMPED IN THE MACHINE?

Clean the disc holder and use a torque spanner for fastening. You will find detailed information in the *priti®TIPS → Mounting the ZrO₂ disc Goal Avoid chipping.*



WHY DOES THE DISC BREAK WHEN MILLING?

Use suitable milling strategies and change your milling cutters regularly. You can find detailed information in the *priti®TIPS → The right CAD/CAM settings for your restoration.*



WHY IS THE COLOUR/TRANSLUCENCY NOT CORRECT AFTER SINTERING?

In most cases, a deviation in the colour/translucency after sintering is due to a deviation in the sintering temperature/heating quantity. Please calibrate the sintering furnace regularly. Detailed information can be found in the *priti®TIPS → Furnace calibration with PTC rings MTH.*

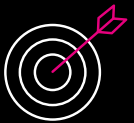
Correct positioning in the disc is also important. If the relation of the restoration to the disc is not maintained, the results may appear too light or too opaque. Detailed information can be found in the *priti®TIPS → Positioning Guide for priti®multidisc ZrO₂ Multi Translucent PLUS.*

If you have used infiltration liquids in your sintering furnace, discolouration may occur on the restoration. Renew the sintering beads and clean the furnace with a cleaning firing. For more detailed information, please refer to the *priti®TIPS → Sintering correctly step-by-step.*

WHY DOES MY RESTORATION NOT FIT THE MODEL AFTER SINTERING?

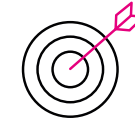
Check that the shrinkage factor is correct and whether you have selected the correct option in your software. Make sure that the restoration stands securely and stable on the sintering tray - Make sure that the beads are straight

Add a sintering support for 4 or more units. For more detailed information, please refer to the *priti®TIPS → The perfect fit.*



FAQ

Find quick answers to frequently asked questions about Multi Translucent **PLUS**



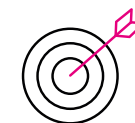
WHY DO I HAVE CRACKS IN THE RESTORATION AFTER FIRING IN THE CERAMIC FURNACE?

Zirconium dioxide is a bad conductor of thermal energy. It is essential to ensure an appropriate rate of temperature increase when heating up and temperature decrease when cooling down voluminous restorations.

Avoid sudden temperature decrease due to draughts, metal instruments or insufficient long-term cooling for voluminous restorations.

Make sure to grind the zirconium dioxide as little as possible after sintering. In particular, diamond-coated separating discs should definitely not be used.

For more detailed information, please refer to the *priti®TIPS → Finishing – before and after sintering*



WHY HAS THE RESTORATION BROKEN IN THE MOUTH?

In most cases, this is due to pre-damage caused by localised overheating during finishing or non-compliance with minimum wall thicknesses.

Make sure that the material has sufficient support.

Furthermore, Zirconium dioxide must never be temporarily cemented.

Another problem may be an unsuitable preparation and thus a lack of support in the cervical region.

An unpolished or un-glazed occlusal surface in the area of the antagonist contacts can also lead to excessive stress in restorations.

For more detailed information, please refer to the *flyer priti®Essentials → How to avoid damage.*



PRITI®TIP

Shade-taking: please use the pritidenta shade guide relevant to the material used

You can find the priti®TIPS via the QR code



Shade – reliable and precise

Satisfied patients!

TOP COLOUR BRILLIANCE

Patients expect a restoration that combines top esthetics, optimal function and reliable longevity.

1. The 16 VITA® classic colours (+3 “Bleach” shades) can be created harmoniously and effortlessly with the priti®multidisc ZrO₂ Multi Translucent PLUS.
2. Due to the sophisticated material strategy and the well-thought-out composition, the materials combine high translucency in the incisal area (> 49%) with simultaneously high mechanical resilience ($\geq 1,150$ MPa) in the basal/cervical area.
3. The imaginative colour and translucency gradient prevents the occurrence of “grey tinges”, in particular, which are often obtrusively noticeable with other ceramic materials.

“GREYING” – NO THANK YOU!

- Perfect 16 VITA® classic colours, 3 “Bleach” shades
- Substantial colour and translucency gradient prevents grey tinge
- High-volume pontics are effectively integrated into the colour ambience
- Differentiated material strategy: high translucency in the incisal area, mechanical resilience in the dentine area



priti®perfect

The perfect complement for a vibrant surface finish
... of teeth and gingiva

THE PERFECT FINISH

pritudenta has a range of intelligent solutions to assist you in your work, from shade-taking right through to placement of the restoration. Milling, sintering and esthetically finishing teeth from priti®multidisc. It's quick and easy, and gives top-quality results!

priti®perfect puts the finishing touch to the existing priti® concept.

This is polished esthetic perfection!

APPROVED FOR:

- Zirconium dioxide
- Zirconium layering ceramics
- Metal layering ceramics
- Lithium disilicate



Find out more here:



priti®perfect
in Action



priti®perfect STANDS FOR:

Stability of the colour effect from the model to the mouth
Control your results perfectly with brush application and ready-to-use paste materials. The final colors are already evident during application.

With only **20 components** in the priti®perfect set it is possible to achieve perfect results in just **1 firing**. Depending on the case, the **2 firing solution** or internal staining can also be selected.

priti®perfect pink:

5 structure pastes and **3 stains** for pink esthetics. By combining the pastes with the stains you have a solution for every situation.



Maximum reliability?

A scientific study proves it ...

priti®multidisc ZrO₂ Multi Translucent and priti®multidisc ZrO₂ Multi Translucent PLUS

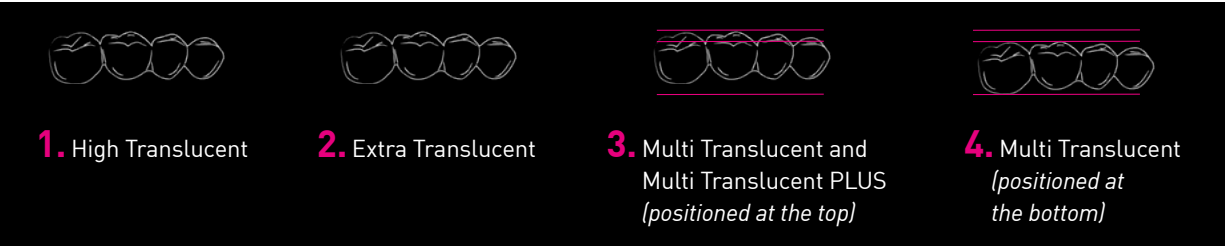
WANT TO
READ ON?

The detailed study
can be found here:



BASIS

4-unit bridges with 2 pontics in the posterior region were tested.
These bridges were divided into 4 series made of 3 different materials.



A) CAUSAL SIMULATION

To simulate a 5-year wear period, the bridges were placed in the appropriate test environment.
They were subjected to central dynamic loading in a water bath under temperature change.

Cyclical loading 50 N

✓ Extra Translucent*
✓ Multi Translucent (top)*
✓ Multi Translucent (bottom)*
✓ Multi Translucent PLUS (top)*
✗ High Translucent**

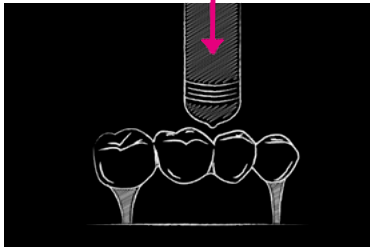
* The 3 series Extra Translucent, Multi Translucent PLUS (positioned at the top), Multi Translucent (positioned at the top and bottom) withstood the causal simulation and were then subjected to a breakage test (B).

** Some 4-unit bridges made of priti®multidisc ZrO₂ High Translucent did not withstand the causal simulation. This result underlines the indication restriction to max. 3-unit bridges.

B) BREAKAGE TEST

The bridges that withstood the causal simulation were then subjected to a maximum breakage test.

Increasing force until breakage



RESULT OF THE BREAKAGE TEST:

Material	Mean values	Standard deviation
High Translucent	713.5	190.9
Extra Translucent	912.9	105.9
Multi Translucent (top)	1,012.3	196.9
Multi Translucent (bottom)	1,183.7	290.7
Multi Translucent PLUS (top)	1,112	152

CONCLUSION

There is no significant difference between the breakage values of the bridges made of priti®multidisc ZrO₂ Extra Translucent, priti®multidisc ZrO₂ Multi Translucent PLUS (positioned at the top) and priti®multidisc ZrO₂ Multi Translucent (positioned at the top and bottom).

In addition, the breakage values at 1,000 N confirm the safe use of multi-unit bridges with 2 connecting pontics in the molar region.

**The multi-talent offers everything! No positioning guidelines need to be followed.
Even if a bridge is positioned right at the top, the material is secure!**

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