

ivoclar

Expertise creates trust



IPS e.max®
ZirCAD
Prime
Prime Esthetic

GT Technology: synonymous with prime quality

GT Technology is the key to the genuinely seamless progression of shade and translucency within the disc, the outstanding accuracy of fit of the product and its efficient processing properties. This technology is based on the blend of two zirconium oxide raw materials featuring different strengths and optical characteristics.

Highly translucent incisal zone

- Optimally coordinated shade
- Highest level of translucency in the incisal zone
- Highly esthetic 5Y-TZP zirconium oxide
- Flexural strength: 650 MPa [4]
- 3-mm thickness, irrespective of the disc thickness

Innovative transition zone

- Seamless, layer-free transition zone
- Natural shading from the dentin to the enamel
- Progressively higher translucency towards the incisal zone
- Progressively higher flexural strength towards the cervical area
- 4-mm thickness, irrespective of the disc thickness

High-strength dentin zone

- Maximum stability in the tooth neck area
- Coordinated shading and translucency
- IPS e.max ZirCAD Prime Esthetic: 4Y-TZP zirconium oxide exhibiting a flexural strength of 850 MPa [5]
- IPS e.max ZirCAD Prime: high-strength 3Y-TZP zirconium oxide exhibiting a flexural strength of 1200 MPa [5]
- Thickness varies depending on the thickness of the disc (7-18mm)



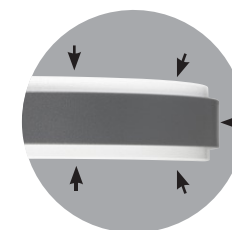
Seamless progression of shade and translucency

- ✓ Innovative filling technology is responsible for the special structure of the disc, which sets it apart from other discs
- ✓ No layers within the disc
- ✓ Smooth transition between the dentin and the enamel



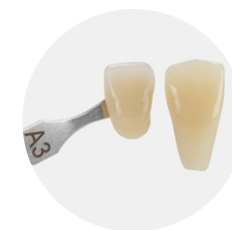
Adjusted sintering kinetics due to advanced and optimized powder conditioning

- ✓ For uniform shrinkage behaviour
- ✓ For exceptional accuracy of fit



Compaction of the discs by means of Cold Isostatic Pressing (CIP)

- ✓ Enhanced microstructure and shorter sintering cycles
- ✓ Optimized translucency



Precise shading

- ✓ Simple polishing or glazing produces an excellent shade match with the A-D shade guide
- ✓ For the efficient fabrication of shade matched restorations

[4] Typical mean value of the biaxial strength (incisal), R&D Ivoclar Vivadent AG, Schaan, Liechtenstein
[5] Typical mean value of the biaxial strength (dentin), R&D Ivoclar Vivadent AG, Schaan, Liechtenstein

Redefining the esthetics of zirconium oxide

Do you fashion the majority of your crowns with zirconium oxide? Do you have high expectations for the materials you use and the restorations you create? Are you constantly looking for new ways to achieve impressive natural-looking results with ease? If that is the case, we would like to invite you to discover our vision of esthetics and share our enthusiasm for it!



Optimum results due to a special combination of raw materials
IPS e.max ZirCAD Prime Esthetic contains a blend of two zirconium oxide raw materials: 4Y-TZP and 5Y-TZP. They are responsible for a uniform progression of the shade as well as just the right balance of stability^[6], colour and translucency. As a result, your restorations will be characterized by an ideal combination of high flexural strength and lifelike, coordinated translucency values.

Efficient and esthetic

The fastest way to producing esthetic monolithic restorations

- ✓ Minimal manual effort yet impressive natural-looking [1] results
- ✓ For esthetic restorations at a consistently high level of quality
- ✓ Reliable and reproducible process

^[6] Typical mean value of the biaxial strength (dentin) of 850 MPa, R&D Ivoclar Vivadent AG, Schaan, Liechtenstein

IPS e.max ZirCAD Prime Esthetic

Easy – economical – lifelike: It takes only a few steps to produce esthetic monolithic restorations. Additional staining or layering is unnecessary in most cases. Simple polishing or glazing is adequate for achieving an accurate match with the A-D shade guide. Efficiency and a low susceptibility to error are decided benefits.

IPS e.max ZirCAD Prime Esthetic

- ✓ The ultimate zirconium oxide disc for maximum esthetics
- ✓ Optimum combination of simplicity, efficiency and authenticity
- ✓ For crowns and three-unit bridges



IPS e.max ZirCAD Prime Esthetic anterior crowns
Dr. M. Gatti / Y. Momma, USA

The all-round disc at a Prime level

IPS e.max ZirCAD Prime is the One-Disc Solution and therefore the all-round genius within the portfolio. The high-strength zirconium oxide material (1200 MPa [7]) is known for its high accuracy of fit and exceptional quality. It ingeniously blends esthetics with flexibility and accommodates all applications and fabrication techniques.

High strength for maximum reliability

The high flexural strength of 1200 MPa allows the material to be used for an extensive range of applications. The disc can be used to fabricate restorations on prepared teeth and on implant abutment systems. Due to its high strength, IPS e.max ZirCAD Prime is suitable for minimally invasive cases as well as complex cases involving gingival recession and bone loss.



Versatile

Fascinating all-ceramics

- ✓ Extensive application spectrum ranging from crowns to wide-span bridges
- ✓ Choice of using either the staining, cut-back, layering or infiltration technique
- ✓ Very high flexural strength in the dentin zone, where bridges have to withstand the strongest forces

Many different processing possibilities – all rolled into one disc

The disc helps to simplify stock management. Regardless of the type of restoration needed, whether it be an efficiently fabricated monolithic posterior crown, a stable bridge, an implant-supported restoration or a highly esthetic and elaborately customized single anterior tooth: IPS e.max ZirCAD Prime always offers a suitable solution.



IPS e.max ZirCAD Prime

- ✓ The all-purpose One-Disc Solution for all requirements
- ✓ Maximum flexibility and creative freedom
- ✓ Extremely high strength teamed with exceptional esthetics

[7] Typical mean value of the biaxial strength (dentin) R&D Ivoclar Vivadent AG, Schaan, Liechtenstein