

The next level of speed and strength

IPS e.max®
ZirCAD Prime

Speed-sintering
zirconia block

15:00
minutes
sintering^[1]



Even faster. Even stronger.

A master of efficiency:
The new IPS e.max® ZirCAD Prime block empowers you to achieve the next level of speed, strength and esthetics in the creation of monolithic zirconia crowns.

Numerous finishing options ensure maximum flexibility and easy integration into your practice workflows.

Speed

Speed sintering of restorations in just 15 minutes^[1] without compromising on esthetics

Strength

Robust and enduring:
A high flexural strength of 1,100 MPa^[2] allows the wall thickness of crowns to be minimized to 0.8 mm.

Esthetics

Natural-looking shade and translucency progression from dentin (3Y-TZP raw material) to the translucent incisal zone (5Y-PSZ raw material)

Flexibility

Easy and fast conventional cementation using ZirCAD® Cement; alternatively, self-adhesive or adhesive cementation protocols



- Versatile finishing options:**
- ✓ Polishing with OptraGloss® Extra Oral
 - ✓ Glazing with IPS e.max CAD Crystall./Glaze Spray
 - ✓ Characterization with IPS e.max CAD Crystall./ materials

MORE INFORMATION

ivoclar.com/ips-e.max-zircad-prime-block

Shade selection block C17

Shade	Refill 3 pcs	Refill 5 pcs
BL1	✓	
BL3	✓	
0	✓	
A1		✓
A2		✓
A3		✓
A3.5		✓
B1	✓	
B2	✓	
C2	✓	
D2	✓	

All 11 shades are included in the CEREC® software from version 5.2.10.
Shade "0" closes the gap between the Bleach shades and Shade A1.
Its chroma is between that of A1 and BL3.

[1] Programat CS6, Superspeed sintering 15 minutes, without predrying, three crowns; or CEREC® SpeedFire, 16 minutes, without predrying, two crowns. R&D Ivoclar, Schaan.
[2] Dentin, typical mean value of biaxial flexural strength, R&D Ivoclar, Schaan.
*CEREC is not a registered trademark of Ivoclar Vivadent AG.

Convincing facts. Impressive results.

IPS e.max® ZirCAD Prime sets a new benchmark for zirconia restorations and combines the best properties of zirconia in one block.

The excellent mechanical properties of IPS e.max ZirCAD Prime together with the natural-looking progression of shade and translucency within the block ensure esthetic outcomes, and the speed sintering process is impressive. Every time.



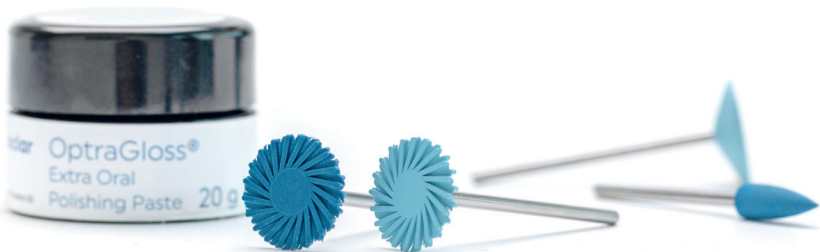
Translucent incisal zone (5Y-PSZ)
– Highest level of translucency in the incisal area

Transition zone (4Y-TZP)
– Natural-looking progression of shade and translucency from dentin to incisal area^[3]

High-strength dentin zone (3Y-TZP)
– Improved coverage and maximum strength on tooth necks

High-gloss polishing

OptraGloss® Extra Oral is a universal two-step polishing set for extraoral use. An optional polishing paste complements the system.



unpolished | high-gloss polished

From unpolished to highly esthetic in just a few minutes; shown on the example of an IPS e.max ZirCAD Prime restoration.

Zirconia – easy and efficient cementation

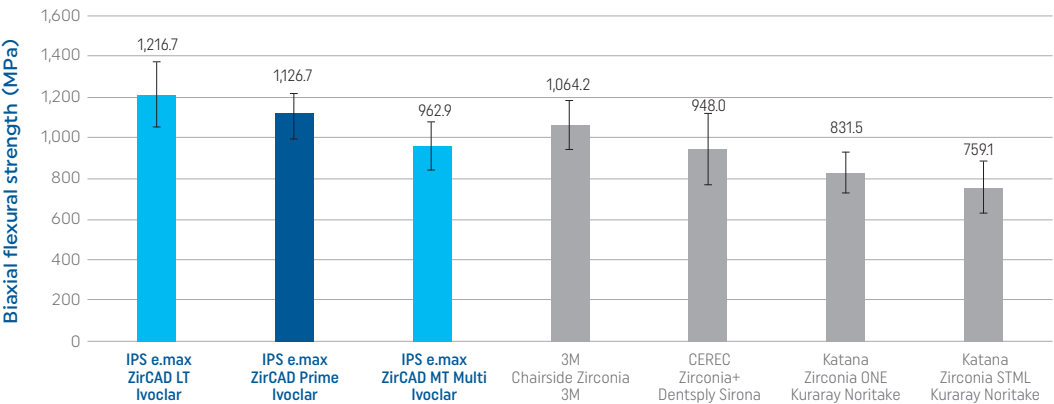
ZirCAD® Cement is suitable for the conventional cementation of restorations made of high-strength materials such as zirconia on retentively prepared teeth. The cement is easy to use and excess is removed efficiently ensuring predictable cementation results regardless of the particular case.



Confirmed biaxial flexural strength

High flexural strength is indispensable for durable, long-lasting restorations. IPS e.max ZirCAD Prime blocks combine high flexural strength (1,100 MPa^[2]) with natural-looking results and therefore satisfy the most demanding requirements.

1,100
MPa^[2]



Hill T., Biaxial flexural strength of chairside zirconia blocks, Test Report, Ivoclar Vivadent, 2023. Data on file.

[2] Dentin, typical mean value of biaxial flexural strength, R&D Ivoclar, Schaan.
[3] At natural light conditions. The use of artificially generated UV or UV-like light may result in a different impression.

Synergy at its best: Two materials. One furnace. Maximum quality.

Speed sintering and crystallization of IPS e.max® restorations

In just a few minutes you can speed sinter or crystallize IPS e.max® ZirCAD Prime as well as IPS e.max® CAD restorations in the Programat® CS6 combination furnace. Faster than ever before.

The integrated vacuum technology^[4] of this versatile machine brings out the best in the esthetic and mechanical properties of both these materials and reliably takes care of glaze firing.

IPS e.max® ZirCAD Prime

Speed sintering in 15:00 minutes^[1]

- ✓ Zirconia (ZrO₂)
- ✓ High strength for increased reliability and thin restoration walls of 0.8 mm
- ✓ Esthetic results despite shorter duration of programs
- ✓ Conventional cementation using ZirCAD® Cement



LEARN
MORE

ivoclar.com/programat-cs6

IPS e.max® CAD

Speed crystallization in 11:10 minutes^[5]

- ✓ Lithium disilicate glass-ceramic (LS₂)
- ✓ For the highest esthetic demands
- ✓ Wide range of restorations (crowns, inlays, onlays, veneers, bridges, hybrid abutments)
- ✓ Survival rate of 97.2% over a period of 10 years^[6]
- ✓ Adhesive cementation using Variolink® Esthetic

[1] Programat CS6, Superspeed sintering in 15 minutes, without predrying, three crowns; or CEREC® SpeedFire, 16 minutes, without predrying, two crowns. R&D Ivoclar, Schaan.

[4] External vacuum pump required.

[5] Programat CS6, Superspeed crystallization, 11:10 minutes, IPS e.max CAD HT, MT, LT, IPS e.max CAD Crystall/Glaze Spray or polishing technique (Self Glaze), maximum two restorations or CEREC® SpeedFire, 14:10 minutes, one crown. R&D Ivoclar, Schaan.

[6] The survival rate of monolithic IPS e.max CAD posterior crowns was estimated using the Kaplan-Meier method. The failure rate is based on technical failures such as fractures and chipping, R&D Ivoclar, Schaan.

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Efficiency in your practice. Confidence in your results.



Consult

Real-time 3D preview of the new smile with Ivoclar Smile™



Isolate

Effective relative isolation and creation of a clear treatment field with OptraGate®



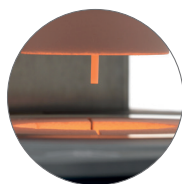
Select

Fast, high-strength restorative results with the IPS e.max® ZirCAD Prime block



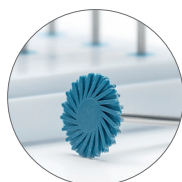
Fabricate

Coordinated fabrication processes with the authorized milling systems of our longstanding cooperation partners



Sinter

Speed sintering, crystallization and glazing in the Programat® CS6



Polish

Efficient high-gloss polishing with OptraGloss® Extra Oral



Cement

Easy conventional cementation with Zircad® Cement



Protect

Protect restorations with the unique combination of active ingredients contained in IPS e.max® Gel