

INTRODUCING

IPS e.max[®]

ZirCAD[®]

Prime

**All ceramic,
all you need.**

The next generation of all-ceramics

IPS e.max[®] ZirCAD[®] Prime is the next generation of all-ceramics. It is produced using Gradient Technology (GT), a new, unique manufacturing process that uses special powder conditioning to combine 3Y and 5Y oxide-ceramics, for the ultimate in strength and esthetics in one restoration. A seamless progression of shade, translucency, and composition optimize efficiency and predictability making **IPS e.max[®] ZirCAD[®] Prime** the only all-ceramic restoration you need to prescribe.

- **Premium Esthetics:** Comparable to glass-ceramics
- **Exceptional Strength:** Biaxial flexural strength of 1,200 MPa, fracture toughness of $> 5 \text{ MPa} \cdot \text{m}^{1/2}$, for all indications
- **Conservative Preparations:** Only 0.8 mm tooth reduction in the anterior and 1.0 mm tooth reduction in the posterior is required
- **Gradient Technology:** New, unique manufacturing process for the ultimate in strength, esthetics, and outstanding fit



makeitemax.com

ivoclar
vivadent[®]
passion vision innovation

Cementing IPS e.max® ZirCAD® Prime with SpeedCEM® Plus

Cleaning the Restoration

Conditioning the IPS e.max ZirCAD Prime restoration surface in preparation for cementation is highly recommended. Sandblasting can be done using Al₂O₃ at max 1 bar of pressure and after try-in, saliva can easily be removed by means of Ivoclean; a universal cleaning paste that effectively cleans the bonding surface of all types of restorations after try in. For adhesive cementation, sandblast, try-in, clean with Ivoclean and condition the bonding surface using Monobond Plus.



Cementation of the Restoration

IPS e.max ZirCAD Prime's chair-time saving cementation options include adhesive cementation, self-adhesive or conventional cementation. SpeedCEM Plus, a self-adhesive, self-curing resin cement featuring optional light curing is particularly suitable for the placement of IPS e.max ZirCAD Prime restorations.



Clean Restoration



- Rinse restoration with water, then air dry.
- Cover entire internal surface with Ivoclean.
- Allow to react for 20 seconds then rinse and air dry.

Simplified Cementation with SpeedCEM PLUS



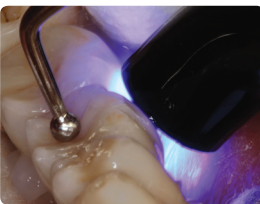
Step 1: Seat

- Apply SpeedCEM Plus cement directly into the restoration.



Step 2: Clean-Up

- After seating, light-cure each quarter surface for 1 sec. The cement will achieve a gel-like consistency for easy clean-up.
- Excess material can be easily removed with a scaler.



Step 3: Final Cure

- Utilize Liquid Strip to eliminate oxygen-inhibited layer.
- Light-cure all margins for 20 sec.
- Rinse off Liquid Strip



Step 4: Finish

- Finish the proximal surfaces and polish the restoration margins e.g. OptraPol.

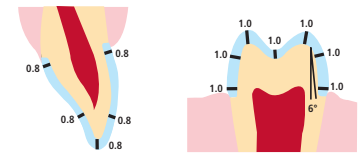
Basic preparation guidelines

- For conventional or self-adhesive cementation, retentive surfaces must be created (preparation height at least 4 mm).
- Do not prepare any angles or sharp edges
- The ideal preparation is a shoulder preparation with rounded inner edges or a chamfer preparation is ideal.
- Preparation angles: 4 – 8° for conventional and semi-adhesive cementation, > 6° for adhesive cementation.
- In monolithic or fully anatomical restorations, the preparation guidelines refer to the minimum material thicknesses.

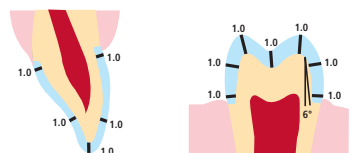
Preparation guidelines for monolithic restorations



Monolithic anterior and posterior crowns



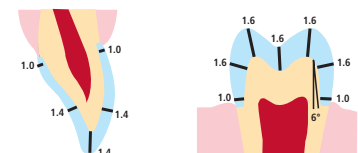
Monolithic bridge abutment crowns in the anterior and posterior region



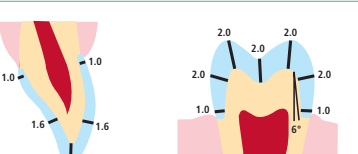
Preparation guidelines for veneered restorations



Anterior and posterior crown frameworks



Bridge abutment frameworks in the anterior and posterior region



Preparation for shoulder and chamfer



Shoulder preparation



Chamfer preparation

