IPS e.max[®] ZirCAD Prime and Prime Esthetic

ivoclar

Instructions for Dentists

For the fabrication of



IPS e.max ZirCAD Prime: Flexural strength^[2]: 1200 MPa Fracture toughness^[3]: > 5 MPa • m½

IPS e.max ZirCAD Prime Esthetic: Flexural strength^[2]: 850 MPa Fracture toughness^[3]: 3.6 MPa • m½

- Only IPS e.max ZirCAD Prime is suitable for the fabrication of bridges with up to 14 units. IPS e.max ZirCAD Prime Esthetic is only suitable for bridges with up to 3 units. R&D Ivoclar Vivadent, Schaan, Liechtenstein
- Typical mean value of biaxial flexural strength (dentin), R&D Ivoclar Vivadent AG, Schaan, Liechtenstein
- ⁽³⁾ Measurement of the fracture toughness according to Vickers indenter method (dentin), R&D Ivoclar Vivadent AG, Schaan, Liechtenstein
- ^[4] Only IPS e.max ZirCAD Prime. IPS e.max ZirCAD Prime Esthetic restorations may not be fully veneered.

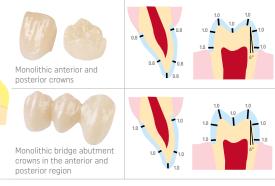
Preparation

Observe the general rules for all-ceramics:

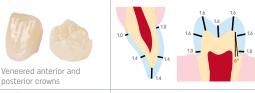
- Prepare no angles or edges
- Prepare a shoulder with rounded inner edges or a chamfer at an angle of 10°-30°.
 Evenly reduce the anatomical shape while observing the stipulated minimum wall
- thicknesses (mm).
 For conventional and/or self-adhesive cementation, the preparation must demonstrate retentive surfaces (preparation height at least 4 mm).



Minimum preparation depth for monolithic restorations



nimum preparation depth for veneered restorations^[4]





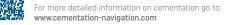
posterior region

Cementation of crowns and bridges

	Adhesive	Self-adhesive/ conventional
Cleaning	Cleaning with $AI_2O_3~(25-70~\mu m)$ at a maximum pressure of 1 bar (14.5 psi).	
	Cleaning with Ivoclean® after try-in	
Conditioning	60 s with Monobond® Plus	_
Cementation	Variolink® Esthetic	SpeedCEM® Plus







The range of available products may vary from country to country

Adjustments, polishing

Perform wet processing intraorally and dry processing extraorally.



- ¹ Maximum rotation speed 10 000 rpm
- ² Intraorally Maximum rotation speed 15 000 rpm
- ³ Extraorally Maximum rotation speed 20000 rpm

Use fine diamonds for large and small adjustments. Smooth surfaces reduce plaque accumulation and the risk of abrasion for antagonists.

After extraoral or intraoral grinding, the contact points can be polished to a high gloss using OptraGloss®.



For dental use only!

Voclar Vivadent AG, 9494 Schaan/Liechtensteir www.ivoclar.com

