All-Ceramic
Chairside Preparation Guide
for IPS e.max®

Anterior Chairside Preparation Guide

For IPS e.max® indications

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Anterior Crown Preparation

Full-Coverage Restorations

1.0 mm reduction at the gingival margin
1.0 mm reduction at the gingival margin
1.0 mm reduction at the gingival margin
1.0 mm reduction at the gingival margin

1.0 mm to 1.5 mm facial reduction
1.0 mm to 1.5 mm facial reduction
1.0 mm to 1.5 mm facial reduction
1.0 mm to 1.5 mm facial reduction

0.7 mm incisal reduction
0.7 mm incisal reduction
0.7 mm incisal reduction
0.7 mm incisal reduction

1.0 mm incisal reduction
1.0 mm incisal reduction
1.0 mm incisal reduction
1.0 mm incisal reduction

0.7 mm incisal reduction
0.7 mm incisal reduction
0.7 mm incisal reduction
0.7 mm incisal reduction

*Please note: For additional masking capabilities and/or layering techniques, further reduction may be necessary. Contact your laboratory for further information.

IPS e.max can be pressed to as thin as 0.3 mm for veneers. If sufficient space is present, IPS e.max can be placed over the existing teeth without the removal of any tooth structure. Depending on the case requirements, however, some teeth may need to be prepared to accommodate for the thickness of the ceramic and to ensure proper contour and emergence profile.

1.0 mm only suitable with adhesive cementation.
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**Posterior** Chairside Preparation Guide

### Inlays/Onlays

**Inlay Preparation**
- Shoulder margin
- Rounded internal line angles
- 1.0 mm isthmus width
- 1.0 mm- to 1.5 mm-wide gingival floor
- 1.0 mm-depth at isthmus

**Onlay Preparation**
- Shoulder margin
- Occlusal reduction of 1.5 mm
- 1.0 mm- to 1.5 mm-wide gingival floor

### 3-Unit Bridge Restorations

**3-Unit Bridge Preparation**
- Rounded internal line angles
- 1.5 mm occlusal reduction
- 1.2 mm axial reduction

### Full-Coverage

**Posterior Crown Preparation**

**Adhesive Cementation Preparation**
- Rounded internal line angles
- At least 1.0 mm axial reduction
- Modified shoulder or deep chamfer of at least 1.0 mm
- Occlusal reduction of at least 1.0 mm

**Conventional Cementation Preparation**
- Rounded internal line angles
- Taper between 4° and 8°
- 1.5 mm axial reduction
- Modified shoulder or deep chamfer of at least 1.0 mm
- Coronal length at least 4.0 mm

When layered or pressed ceramic margins are preferred in conjunction with a zirconia framework, enhanced gingival esthetics can be achieved with a definitive 90 degree shoulder preparation.