



### Minimally invasive crown preparation for lithium disilicate glass-ceramic

#### Description

**NEW** Years of clinical experience have shown that the high strength of IPS e.max® lithium disilicate of 500 MPa\* in combination with adhesive cementation permit a crown layer thickness of at least 1 millimetre.

#### Indication

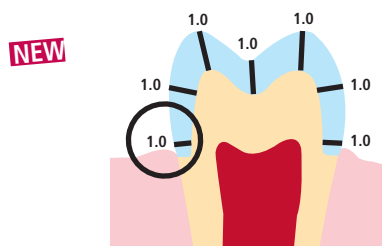
Full-contour anterior and posterior crowns

#### Contraindications

- Layer thicknesses below 1 mm
- Preparations with sharp edges
- Preparations without anatomical support and with irregular layer thicknesses
- Conventional and self-adhesive cementation
- Build-up materials other than composite
- Bruxism
- Lack of canine guidance
- Bridges
- Crowns on implants

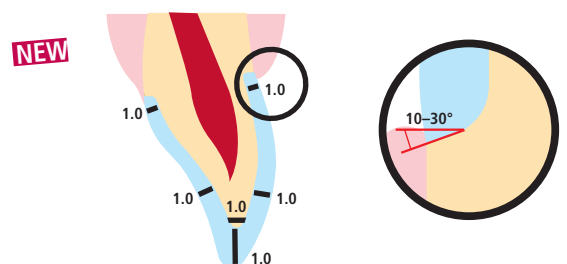
#### Preparation guidelines

##### Crown preparation for adhesive cementation



- Reduce the anatomical shape and observe the stipulated minimum layer thickness. Circular shoulder preparation with rounded inner edges and/or chamfer preparation. Width of the circular shoulder/chamfer at least 1.0 mm. Reduce the occlusal crown third by 1 mm.
- Reduce the vestibular and/or oral area by 1 mm.

##### Anterior crown preparation for adhesive cementation



- Reduce the anatomical shape and observe the stipulated minimum layer thickness. Circular shoulder preparation with rounded inner edges and/or chamfer preparation. Width of the circular shoulder/chamfer at least 1.0 mm.
- Reduce the incisal crown third by at least 1 mm.
- Reduce the vestibular and/or oral area by at least 1 mm.

#### Adhesive cementation

**Adhese® Universal**  
The universal adhesive

**Monobond® Etch & Prime®**  
Etch and prime in one easy step

**Variolink® Esthetic**  
The esthetic luting composite

\* mean biaxial flexural strength over 10 years (IPS e.max CAD 530 MPa, IPS e.max Press 470 MPa). Source: R&D Ivoclar Vivadent AG, Schaan, Liechtenstein  
 \*\* O. Brix, Germany