

IPS e.max



IPS e.max® is a lithium disilicate glass-ceramic and is one of the most esthetic in metal-free, all-ceramic options. It is ideal to use in combination with veneers and crowns for your most demanding smile-makeover cases.

Over 100 million restorations have been made around the world. Clinical research has shown a consistent 97% survival rate with a 500 MPa flexural strength. It can be bonded or cemented as a full-contour monolithic or cut-back and hand-layered with incisal porcelain for the ultimate in customization.

Indications

IPS e.max is the premium lithium disilicate, glass-ceramic restoration. Combining lifelike materials and fracture resistant properties, IPS e.max is as durable as it is lifelike. The flexibility of IPS e.max makes it an excellent restorative method for anterior esthetics or posterior function.

Contraindications

Bridges which include molars, Maryland style bridges, and bridges which have a short vertical height that does not allow for adequate connector height.

Prep Guides

Anterior full-coverage crowns require a chamfer or shoulder margin. A circular shoulder is prepared with rounded inner edges or a chamfer at an angle of 10-30°: the width of the shoulder/chamfer is approx. 1 mm. Facial reduction is 1.5 – 2 mm; 1 – 1.5 mm lingual contact clearance. Incisal reduction is 1.5 – 2 mm with rounded internal line angles, and an incisal edge at least 1mm wide to permit optimum milling of the incisal edge during CAD/CAM processing.

Posterior full-coverage crown requires a chamfer or shoulder margin. A circular shoulder is prepared with rounded inner edges or a chamfer at an angle of 10-30°: the width of the shoulder/chamfer is approx. 1 mm. Occlusal reduction is 1.5 – 2 mm: axial reduction (buccal, lingual, and interproximal) is 1.5 mm with rounded internal line angles.

Cementation

IPS e.max layered – can be cemented using a resin reinforced glass ionomer such as RelyX Luting cement. Or bonded using a resin cement when extra strength is needed due to lack of retention on the prep, use a resin cement such as RelyX Unicem or RelyX Ultimate.