

IPS e.max® Cementation Guide

CEMENTATION

The high strength of IPS e.max lithium disilicate offers dentists a choice to adhesively bond or conventionally cement their restorations.

Coordinated especially for Ivoclar Vivadent restorative materials, Ivoclar Vivadent recommends the following cements to maximize the performance and esthetics of IPS e.max restorations:

ADHESIVE RESIN CEMENTS

For maximum bond strengths and in situations where adequate retention is not possible in the prep design (e.g. veneers, inlays/onlays) adhesive cementation is recommended.

There are no minimum requirements for adhesive cementation. Adhesive cementation will provide higher-immediate bond strengths and a better marginal seal.

SELF-ADHESIVE RESIN CEMENTS

Self-adhesive resin cements combine an easy conventional cementation technique, with the advantages of "resin luting-composite"; increased strength, low solubility, high-level radiopacity and light-cure capabilities. Due to the lower bond strengths offered by this category of cements, it is strongly recommended that self-adhesive resin cements only be utilized in situations where a conventional cement would normally be used; retentive prep design, high-strength restoration with adequate thickness and tight fit.

Self-Adhesive Resin Cements	Adhesive Resin Cements
High-strength restorations only <ul style="list-style-type: none">Lithium disilicate (e.g. IPS e.max)Metal & Metal-CeramicOxide Ceramic (Zirconia, Alumina)	All types of restorations <ul style="list-style-type: none">Including Feldspathic and Leucite
Adequate retention in prep design <ul style="list-style-type: none">Less than 8 degree taperMinimum 4mm height	Any preparation design <ul style="list-style-type: none">Retentive and non-retentive
Adequate thickness of restoration <ul style="list-style-type: none">Greater than 1.0mm for anteriorGreater than 1.5 mm for posterior	Any thickness <ul style="list-style-type: none">Including "thin" veneer restorations