# Silmet Luting Guide

| | Glass Ionomer Cement | RMGI | Aesthetic Resin Cement | Adhesive Resin Cement | Self-Adhesive Resin Cement |
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| Advantages | • High fluoride release, rechargeable<br>• Low chemical bond to tooth<br>• Adhere in wet environment<br>• Low film thickness<br>• Low technique sensitivity | • Fluoride release, rechargeable<br>• Low- medium chemical and micromechanical bond to tooth<br>• Less technique sensitive than resin cement. | • Highest bond strength<br>• Minimal shade shift over time' if light-cured<br>• Highly aesthetic | • No etching to tooth structure is needed. | • No etch or primer<br>• Easy to use<br>• Low postoperative sensitivity<br>• Less technique sensitivity<br>• Easy cleanup |
| Disadvantages | • Sensitivity may occur if tooth is over-dried<br>• Time(24 hours) is required to maximum strength<br>• Low strength<br>• Water sensitive during setting phase | • Moisture-sensitive technique<br>• Sensitivity may occur if tooth is over-dried. | • Most technique sensitive<br>• Moisture sensitive.<br>• .Highest chance of postoperative sensitivity if used with total-etch bonding | • Limited availability of shades<br>• May require oxygen inhibition gel. | • Can have shade shift over time<br>• Not as strong as adhesive resin cements. |
| Indications | • Metal and ceramic-metal restorations<br>• High -strength ceramic(zirconia) crowns and bridges<br>• Posts (metal)<br>• Laboratory composites | • Metal and ceramic-metal restorations<br>• High -strength ceramic(zirconia) crowns and bridges<br>• Laboratory composites<br>• Implant restorations | • All- ceramic crowns and veneers in aesthetic zone | • All- ceramic crowns ,onlays ,inlays, bridges<br>• Metal or ceramic-metal crowns/bridges<br>• High-strength ceramic(zirconia) crowns ,onlays ,inlays, bridges<br>• Maryland bridges(metal wings)<br>• Posts ( cast metal, ceramic, fiber- reinforced resin). | • All- ceramic crowns ,onlays ,inlays, bridges<br>• All -Metal or ceramic-metal crowns/bridges<br>• High -strength ceramic(zirconia) crowns ,onlays ,inlays, bridges<br>• Posts (meta and fiber). |
| Contraindications | • All- ceramic restorations | • Thin all ceramic restoration<br>• Posts | • Opaque all-ceramic restoration | • All- ceramic veneers | • Ceramic veneers<br>• Crown or bridge with poor retention<br>• Resin -bonded bridges. |
| Silmet's Brand | ProGlass™ One | ProGlass™ Plus<br>ProGlass™ Plus CEM | None | ProLink™ CEM | ProLink™ CEM Plus |
| Similar to: | Fuji 1™, | Fuji Cem 2™, Relyx Luting™ , Nexsus RMG™I, Riva Cem | None | Maxcem Elite™, Relyx Unicem 2™, | RelyX ultimate™ , Panavia™ V5, G-Cem one™ |

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