



# Ultradent Cements Guide



	<b>PermaFlo® DC</b>	<b>UltraGem®</b>	<b>PermaShade® LC</b>	<b>ClearTemp® LC</b>	<b>UltraTemp®</b>	<b>UltraTemp® REZ</b>
<b>Description</b>	Luting/restorative cement	Resin-reinforced glass ionomer luting cement	Veneer cement	Temporary veneer cement	Temporary luting cement	Temporary luting cement
<b>Chemistry</b>	Highly filled microhybrid composite resin	Liquid-powder RRG1	Composite resin	Composite resin	Paste-to-paste, non-eugenol polycarboxylate	Paste-to-paste, non-eugenol resin-based
<b>Indications for Use</b>	Permanent cementation of crowns, inlays, onlays, endodontic post cementation, and fabrication of core buildups	Permanent cementation of restorations (including inlays, onlays, crowns, and bridges) made of metal, PFM, zirconia, and resin to natural teeth	Permanent cementation of porcelain, zirconia, composite, and other indirect anterior veneers	Temporary cementation of provisional veneers	Temporary cementation of provisional crowns, bridges, inlays, and onlays	Temporary cementation of provisional crowns, bridges, inlays, and onlays
<b>Delivery</b>	5 ml dual-barrel syringe with mixing tip. Additional intraoral tip for precise delivery.	0.3 g unit-dose SpeedMix™ syringe or hand-mix bottle kit: 15 g powder / 8.6 ml liquid	0.95 g contra-angle syringe	0.67g contra-angle syringe	5 ml dual-barrel syringe with mixing tip	5 ml dual-barrel syringe with mixing tip
<b>Cure Type</b>	Dual cure	Self cure	Light cure	Light cure	Self cure	Self cure
<b>Working Time/ Set Time</b>	2.5 minutes working time, full set in 5–8 minutes. Light cure with VALO® curing light according to instructions.	1–3 minutes working time, full set in 5 minutes	2-second tack cure to avoid shifting. Light cure with VALO® curing light for 10 seconds.	Light cure with VALO® curing light for 10 seconds	Regular Set 2 minutes	Regular Set: 2–3 minutes Fast Set: 1–2 minutes
<b>Viscosity</b>	Flowable	Very flowable	Medium	Medium	Flowable	Flowable
<b>Shades</b>	A2, A3.5, Translucent, Opaque White	Approximately A2	A2, B1, Translucent, Opaque White	Translucent (fluoresces under a UV light)	Off-white	Off-white
<b>Differentiation</b>	Lowest film thickness (9 µm) known for a luting cement. Higher compressive bond strength than other quality luting cements. Economically priced.	Unique SpeedMix™ syringe delivery is the most efficient way to deliver a liquid-powder formula. Features highest bond strengths to metal or dentin compared to other cements in its category.	Low shade shift for a lasting esthetic result. Unique contra-angle delivery for added precision and convenience. Low shrinkage stress reduces strain on veneers at polymerization.	Provides the additional strength necessary to keep provisional veneers in place. Fluoresces under a UV light for easy detection. Adheres more to the provisional than the tooth.	Mixes and delivers in one action. Hydrophilic polycarboxylate formula is kind to pulp. Ideal for sealing the access opening of walking bleach cases. Designed to flake off easily.	Mixes and delivers in one action. Hydrophilic resin-based formula is well suited for cases when longer retention is required. Available in Regular and Fast set times. Designed to remove in large flakes.

QUALITY SEAL. SUPERIOR HOLD. ULTRADENT CEMENTS.