Learn more at **3m.com/dentalcements**

Cement selection made easy.

	RelyX™ Ultimate Adhesive Resin Cement	3M™ RelyX™ Unicem 3M™ RelyX™ Unicem 2 Self-Adhesive Resin Cement	RelyX™ Luting Plus Resin Modified Glass Ionomer Cement	RelyX™ Veneer Cement
Metal/Metal Based				
Inlays/Onlays	+	++	+	-
Crowns/Bridges	+	++	++	-
Endodontic Posts	+	++	++	-
Maryland Bridges	++	+	-	-
On Implant Abutments	+	++	++	-
Glass Ceramics (incl. Li. Disilicate) (e.g. e.max®, VITA Mark II, IPS Empress 2)				
Inlays/Onlays/Table Tops	++	+	-	-
Crowns/Bridges	++	++	-	-
Veneers	+	-	-	++
On Implant Abutments	+	+	-	-
Oxide Ceramics (e.g. Lava™ Plus, Brux Zir®, Procera®)				
Inlays/Onlays	++	++	+	-
Crowns/Bridges	+	++	+	-
Endodontic Posts	+	++	+	-
Maryland Bridges	++	+	-	-
On Implant Abutments	+	++	++	-
Resin Nano Ceramics (e.g. Lava™ Ultimate CAD/CAM Restorative)				
Inlays/Onlays	++	-	-	-
Veneers	+	-	-	++
Resin Composites				
Inlays/Onlays	++	+	-	-
Crowns	++	++	-	-
Endodontic Posts	+	++	-	-
Veneers	+	-	-	++
On Implant Abutments	++	++	-	-

++ Highly recommended* + Recommended - Not indicated

* Either better performance for this indication or easier handling with equal performance.

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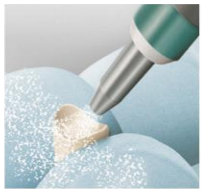
Zirconia Crown Cementation

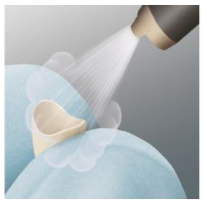
Simple steps using 3M™ ESPE™ RelyX™ Unicem 2 Automix Self-Adhesive Resin Cement

Prepare restoration.

Step 1
Sandblast the restoration with aluminum oxide after try-in (Max 2 bar or 30 PSI, particle size ≤ 40µm).



Step 2
Clean with alcohol and air dry with oil-free air.



***Tip:** If sandblasting is done in laboratory before try-in, clean saliva contamination with NaOCl (ca. 5%) and rinse with water. Do not use phosphoric acid for cleaning.*

Pretreat tooth.

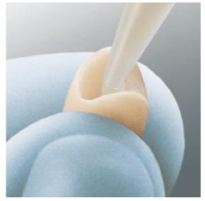
Step 3
Remove provisional restoration. Mechanically clean prepared tooth (e.g. with pumice paste).

***Tip:** Make sure any residue (temporary cement, desensitizers, astringents, disinfectants, etc.) is completely removed. Do not use H_2O_2, EDTA or Na_2CO_3.*

Apply cement and seat.

Step 4
Discard a small amount of cement onto the mix-pad to ensure a perfect mix.

Step 5
Dispense cement directly into the crown.



Step 6
Firmly seat the crown with finger pressure.

Clean up.

Step 7
Tack cure for 1–2 seconds.

Step 8
Remove excess cement with a scaler while holding the crown in place.

***Tip:** Do not exceed recommended tack cure time, otherwise clean up will be difficult. For a controlled curing time, use Elipar™ S10 LED Curing Light or Elipar™ DeepCure-S LED Curing Light tack curing function.*

Final cure.

Step 9
Light cure for 20 seconds per surface or wait 6 minutes from start of mix for dark cure. Finish and polish as needed.

Finished crown.

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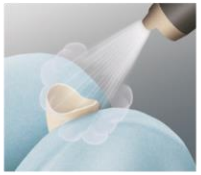
Prepare restoration.

Step 1
Etch with hydrofluoric acid after try-in.

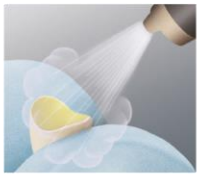
Step 2
Rinse with water.

Step 3
Air dry with oil-free air.



Step 4
Apply Scotchbond™ Universal Adhesive to the bonding surface and rub it in for 20 seconds.

Step 5
Air thin with oil-free air for 5 seconds until the solvent is evaporated and no more ripples are observed.

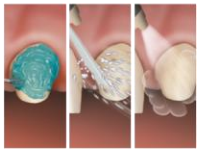


***Tip:** Cover-up prepared crown with an orange colored daylight screen until it is inserted (to avoid unintentional light curing taking place).*

Pretreat tooth.

Step 6
Remove provisional restoration. Mechanically clean prepared tooth (e.g. with pumice paste).

Step 7 (Optional)
(Total) Etch with phosphoric etching gel, rinse with water and lightly air dry with oil-free air.



***Tip:** Make sure any residue (temporary cement, desensitizers, astringents, disinfectants, etc.) is completely removed. Do not use H_2O_2, EDTA or Na_2CO_3.*

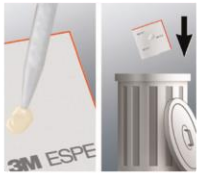
Step 8
Apply Scotchbond™ Universal Adhesive to the bonding surface and rub it in for 20 seconds.

Step 9
Air thin with oil-free air for 5 seconds until the solvent is evaporated and no more ripples are observed. Avoid pooling.

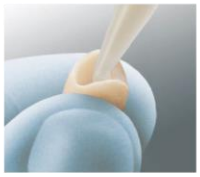
Step 10 (Optional)
Light cure Scotchbond™ Universal Adhesive for 10 seconds.

Apply cement and seat.

Step 11
Discard a small amount of cement onto the mix-pad to ensure a perfect mix.



Step 12
Dispense cement directly into the crown.



Step 13
Firmly seat the crown with finger pressure.

Clean up.

Step 14
Tack cure for 1–2 seconds.

***Tip:** Do not exceed recommended tack cure time, otherwise clean up will be difficult. For a controlled curing time, use Elipar™ S10 LED Curing Light or Elipar™ DeepCure-S LED Curing Light tack curing function. Alternatively, remove excess in soft stage and apply glycerin gel before final cure to avoid oxygen inhibition layer.*

Step 15
Remove excess cement with a scaler while holding the crown in place.

Step 16
Light cure for 20 seconds per surface or wait 6 minutes from start of mix for dark cure. Finish and polish as needed.

Finished crown.

Glass Ceramic Crown Cementation