

Glass Ceramic Crown Cementation



Simple Steps for 3M™ RelyX™ Ultimate Adhesive Resin Cement

Prepare restoration.

Step 1
Etch with hydrofluoric acid after try-in.



Step 2
Rinse with water.



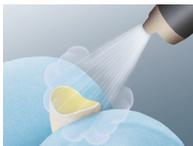
Step 3
Air dry with oil-free air.



Step 4
Apply 3M™ Single Bond 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.



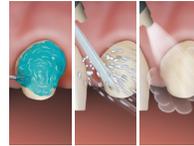
Tip: Cover-up prepared crown with an orange colored daylight screen until it is inserted (to avoid unintentional light curing taking place).

Pretreat tooth.

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



Step 7 (Optional):
(Selective) 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 H₂O₂, EDTA or NaHCO₃.

Step 8
Apply Single Bond 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 Single Bond Universal Adhesive for 10 seconds.



Apply cement and seat.



Step 11

- Dispense a small amount of cement to ensure even dispensing
- Discard this material
- Apply two clicks of the cement pastes onto a mixpad and hand mix with a spatula until a homogeneous mix is obtained. **NOTE: two to four clicks are needed for a crown depending on tooth size.**
- Wipe the Clicker barrels independently to avoid contamination of the material and premature setting
- Ensure that the cap is put firmly in place (clicking sound)

Step 12
Use the mixing spatula to apply the cement into the crown.



Step 13
Firmly seat the crown with finger pressure.



Clean-up.

Step 14
Tack cure for 1–2 seconds per surface from a distance.



Tip: Do not exceed recommended tack cure time, otherwise clean up will be difficult. For a controlled curing time, use 3M™ Elipar™ S10 LED Curing Light or 3M™ 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.



For further reference, please refer to Instructions for Use, Step-by-Step Card and Frequently Asked Questions.

Zirconia Crown Cementation



Simple Steps for 3M™ RelyX™ U200 Self-Adhesive Resin Cement

Prepare restoration.

Step 1

Sandblast surfaces to be cemented with 30 or 50 micron aluminum oxide at a pressure of 2 Bar (30 psi) to create a matte surface appearance.



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

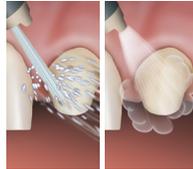
Remove provisional restoration. Mechanically clean prepared tooth (e.g. with pumice paste).



Tip: Make sure any residue (temporary cement, desensitizers, astringents, disinfectants, etc.) is completely removed. Do not use H₂O₂, EDTA or NaHCO₃.

Step 4

Rinse and lightly dry. Leave tooth surface moist. Do not over dry the tooth. Over drying can lead to post operative sensitivity.



Apply cement.



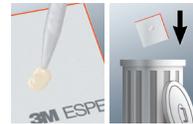
Step 5 — For Clicker Delivery:

- Dispense a small amount of cement to ensure even dispensing
- Discard this material
- Apply two clicks of the cement pastes onto a mixpad
- Hand mix with a spatula until a homogeneous mix is obtained
- Wipe the Clicker barrels independently to avoid contamination of the material and premature setting
- Ensure that the cap is put firmly in place (clicking sound).

Tip: For a crown, typically two clicks would be needed.

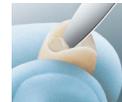
Step 5 For Automix Delivery:

Dispense a small amount of cement onto the mixpad to ensure a perfect mix. Discard this material.



Step 6

For Clicker Delivery: Use the mixing spatula to apply the cement into the crown.



For Automix Delivery: Dispense cement directly into the crown.



Seat and Clean-up.

Step 7

Firmly seat the crown with finger pressure.



Step 8

Tack cure for 1–2 seconds per surface.



Step 9

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 3M™ Elipar™ S10 LED Curing Light or 3M™ Elipar™ DeepCure-S LED Curing Light tack curing function.

Final cure.

Step 10

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.



For further reference, please refer to Instructions for Use, Step-by-Step Card and Frequently Asked Questions.

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