3M™ Chairside Zirconia Crown Cementation

Simple Steps for 3M™ RelyX™ Unicem 2 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: After try-in, clean saliva contamination with NaOCI (ca. 5%) and rinse with water. Do not use phosphoric acid for cleaning.
- **(1)** Tip: 3M™ RelyX™ Unicem 2 Self-Adhesive Resin Cement offers high bond strength to 3M™ Chairside Zirconia with no primer required.
- Tip: Tooth preparation: Follow the recommendations of professional associations when preparing all-ceramic restorations. A chamfer preparation is recommended.

Pretreat tooth.

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



Tip: Completely remove any residue (temporary cement, desensitisers, astringents, disinfectants, etc.). 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.

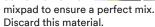


Step 5 For Clicker Delivery:

- 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.

For Automix Delivery:

Dispense a small amount of cement onto the



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.



Step 9 Remove excess

cement with a scaler while holding the crown in place.



(I) 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.



3M Oral Care