

PFM Crown Cementation



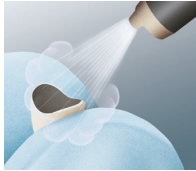
Simple Steps for 3M™ Ketac™ Cem Plus Resin Modified Glass Ionomer Cement

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.



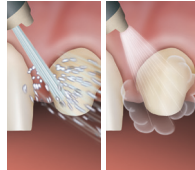
Pretreat tooth.

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 Na₂CO₃.

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.

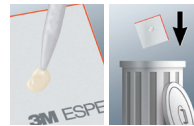


Step 5 — For Clicker Delivery:

- 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).

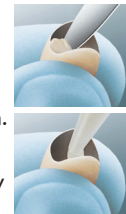
Tip: For a crown, typically two clicks would be needed.

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:
Apply a thin layer of cement to the inside surface of the restoration.

For Automix Delivery:
Dispense cement directly into the crown.

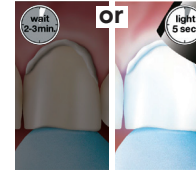


Seat and Clean-up.

Step 7
Firmly seat the crown with finger pressure.



Step 8
Excess cement can be removed 2 minutes after seating the restoration or after tack light curing 5 seconds per surface.



Step 9
Remove excess cement with a scaler while holding the crown in place.



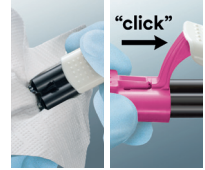
Step 10
Set time is 5 minutes after placement in the mouth. Finish restoration and adjust occlusion.



Storage.

Step 11 For Clicker Delivery:

- 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).



For Automix Delivery:
Store with original sealing cap in place. NOTE: DO NOT store with used mix tip.

Tip: To prevent premature curing and drying of the paste, be sure to follow recommended cleaning and storage steps. Ideal storage is normal ambient room temperature of 18–24°C.

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

3M Oral Care, 2510 Conway Avenue, St. Paul, MN 55144-1000 USA Phone: 1-800-634-2249 Web: 3M.com/dentalcements

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Zirconia Crown Cementation



Simple Steps for 3M™ RelyX™ Unicem 2 Self-Adhesive Resin Cement

Prepare restoration.

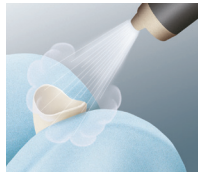
Step 1

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: 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

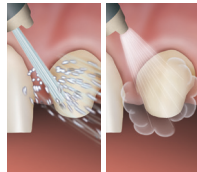
Remove provisional restoration. Mechanically clean prepared tooth (e.g. with pumice paste).



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.



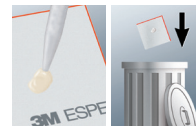
Step 5 — For Clicker Delivery:

- 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.

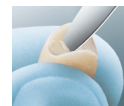
Step 5 For Automix Delivery:

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

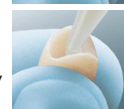


Step 6

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.



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.