3M™ Chairside Zirconia Crown Cementation

Simple Steps for 3M™ RelyX™ Luting 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**
Clean prepared tooth (e.g. with pumice paste).

**Tip:** Completely remove any residue (temporary cement, desensitizers, 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

**Step 6**
For Clicker Delivery:
- Dispense a small amount of cement onto the mixpad to ensure a perfect mix.
- Discard this material.

**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.

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

**Seat and Clean-up.**

**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.

**Step 12**
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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3M™ Chairside Zirconia Crown Cementation

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

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<tbody>
<tr>
<td><strong>Step 1</strong></td>
<td>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.</td>
<td><strong>Step 3</strong></td>
<td>Mechanically clean prepared tooth (e.g. with pumice paste).</td>
<td><strong>Step 7</strong></td>
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<td><strong>Step 2</strong></td>
<td>Clean with alcohol and air dry with oil-free air.</td>
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<td>Rinse and lightly dry. Leave tooth surface moist. Do not over dry the tooth. Over drying can lead to post-operative sensitivity.</td>
<td><strong>Step 8</strong></td>
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<td><strong>Tip:</strong> Complete remove any residue (temporary cement, desensitizers, astringents, disinfectants, etc.). Do not use H₂O₂, EDTA or NaHCO₃.</td>
<td><strong>Tip:</strong> For a crown, typically two clicks would be needed.</td>
<td><strong>For Clicker Delivery:</strong></td>
<td>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).</td>
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<td><strong>For Automix Delivery:</strong></td>
<td>For Clicker Delivery: Dispense a small amount of cement onto the mixpad to ensure a perfect mix. Discard this material.</td>
<td><strong>Step 5</strong></td>
<td>Use the mixing spatula to apply the cement into the crown. <strong>For Automix Delivery:</strong> Dispense cement directly into the crown.</td>
<td><strong>Step 9</strong></td>
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<td><strong>Tip:</strong> After try-in, clean saliva contamination with NaOCl (ca. 5%) and rinse with water. Do not use phosphoric acid for cleaning.</td>
<td><strong>Tip:</strong> 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.</td>
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<td><strong>Tip:</strong> 3M™ RelyX™ Unicem 2 Self-Adhesive Resin Cement offers high bond strength to 3M™ Chairside Zirconia with no primer required.</td>
<td><strong>Tip:</strong> Tooth preparation: Follow the recommendations of professional associations (i.e. 5–6° wall taper, 4mm height) when preparing all-ceramic restorations. A chamfer preparation is recommended.</td>
<td><strong>Step 6</strong></td>
<td>For Clicker Delivery: Use the mixing spatula to apply the cement into the crown. <strong>For Automix Delivery:</strong> Dispense cement directly into the crown.</td>
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<td><strong>Step 10</strong></td>
<td>Light cure for 20 seconds per surface or wait 6 minutes from start of mix for dark cure. Finish and polish as needed.</td>
<td><strong>Step 10</strong></td>
<td>Finished crown.</td>
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