

# Zirconia Crown Cementation



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

## Prepare restoration.

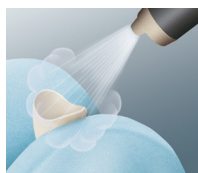
### Step 1

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 H<sub>2</sub>O<sub>2</sub>, EDTA or NaHCO<sub>3</sub>.

## Apply cement and seat.

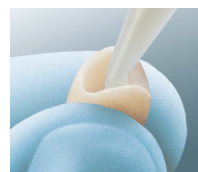
### Step 4

Dispense 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.



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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# Glass Ceramic Crown Cementation

Simple steps using 3M™ RelyX™ Ultimate Adhesive Resin Cement in the Automix Syringe

## Prepare restoration.

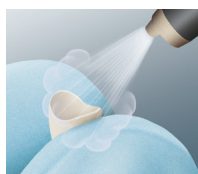
**Step 1**  
Etch with hydrofluoric acid after try-in.



**Step 2**  
Rinse with water.



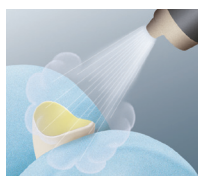
**Step 3**  
Air dry with oil-free air.



**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.



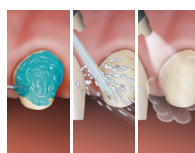
⚠ **Tip:** Cover-up prepared crown with an orange colored daylight screen until it is inserted (to avoid unintentional light curing taking place).

## 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<sub>2</sub>O<sub>2</sub>, EDTA or NaHCO<sub>3</sub>.

**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.

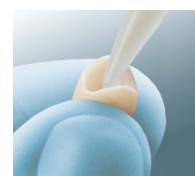


## Apply cement and seat.

**Step 11**  
Dispense 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.

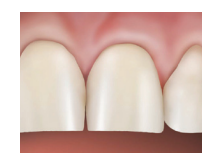
**Step 15**  
Remove excess cement with a scaler while holding the crown in place.



**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.**



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

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