Preparation Requirements
cubeX² requires less tooth preparation than is required for lithium disilicate. Ideally, a .8 mm chamfer or rounded shoulder prep is preferred, however a feather-edge margin is acceptable with 1.0 – 1.5 mm occlusal reduction.

For BioZX², a shoulder preparation is not required and a feather edge is okay. It is a conservative preparation similar to full-cast gold so any preparation with at least 0.5 mm of occlusal space is accepted; however, 1.0 mm is ideal.

Cementation
Recent research has shown that saliva contamination can hinder the bonding of zirconia based products. When a zirconia crown or bridge is tried in the patient’s mouth and comes in contact with saliva, the phosphate groups in the saliva bind to the zirconia oxide and cannot be rinsed out with water. Attempting to use phosphoric acid (which is full of phosphate groups) to ‘clean out’ the saliva only makes the problem worse.

To successfully remove saliva, it is now suggested that after try-in and before priming, the crown should be cleaned with Ivoclean, a zirconia oxide solution from Ivoclar Vivadent. This zirconia oxide solution is placed inside the restoration for 20 seconds and then rinsed out. Due to the large concentration of free zirconia oxide in the Ivoclean, it acts as a sponge and binds to the phosphate groups that were previously bonded to the restoration.

Suggested Cementation Protocol:
1. Try-in zirconia-based restoration
2. Rinse saliva out of restoration with water
3. Place Ivoclean in restoration for 20 seconds, rinse and dry
4. Apply primer and then cement with product of your choice

Cementation Recommendations:
• Ceramir® Crown & Bridge (Doxa Dental) or a resin-reinforced glass ionomer cement such as RelyX™ Luting Cement (3M ESPE) or GC Fuji Plus™ (GC America)
• For short or over-tapered preparations, use a resin cement such as RelyX Unicem (3M ESPE) or Panavia™ F2.0 (Kuraray)

Finishing and Polishing
DAL recommends the Brasseler USA® Dialite® ZR Kit for finishing and polishing cubeX² and BioZX² zirconia products. This two-step system allows you to quickly achieve maximum surface smoothness, enhancing your restorations longevity and minimizing wear to opposing dentition.

Important: Be sure to use adequate water when adjusting.
**INDICATIONS**

- Maximum Strength
- Translucent, Layered Appearance
- Feather-Edge Prep Acceptable
- Conventional Cementation

**BioZX2 Full Contour Crown on #14**
Dentistry by Dr. Leonard Hess
Private Practice, Monroe, NC & Senior Faculty Member at The Dawson Academy

**cubeX2 Full Contour Anterior Crowns**
Dentistry by Dr. Leonard Hess
Private Practice, Monroe, NC & Senior Faculty Member at The Dawson Academy

**cubeX2 Full Contour Anterior Crowns**
Dentistry by Dr. Leonard Hess
Private Practice, Monroe, NC & Senior Faculty Member at The Dawson Academy

**INDICATIONS**

- Single Anterior and Posterior Crowns
- 3-Unit Anterior Bridges (Bicuspid Forward)

**INDICATIONS**

- Crown and Bridgework Anywhere in the Arch
- Screw-Retained and Cemented Implant Crown and Bridgework
- Full-Arch Implant Supported Bridgework

**Maximun Strength of 1,100 MPa's**

**High Translucency for Natural Esthetics**

**Multi-Colored Layered Appearance**

**Precise Shades**

**Color Throughout - No Shade Change with Adjustment**

**Maximun Strength - No Chipping or Fracturing**

**High Translucency Esthetic Cubic Zirconia**

**Offering the Translucency of Lithium Disilicate with Twice the Strength**

**Three Times the Fracture Resistance in Comparison to Lithium Disilage**

**Maximum Strength of 720 MPa's**

**Definitive Ceramic Stop**

**Ideally Replicated Envelope of Function**

**Precise Incisal Edge Positioning**

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Important: Be sure to use adequate water when adjusting.

Ivoclean cleaning paste from Ivoclar Vivadent
Brasseler USA® Dialite<sup>®</sup> ZR Kit for Zirconia Restorations
Dental Arts Laboratories, Inc.
241 NE Perry Avenue, Peoria, IL 61603-3625
1.800.227.4142
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