Trackaddict
Member Since: 03/07/08
Post: 1 of 28
Inquiring minds want to know! ■
Trackaddict, FujiCEM, because I like the color and click of the dispenser. My observation is this: Retention is primarily a function of preparation. Brush&Bond is my exclusive BA (no financial interest in Parkell).
It’s just my Phil-osophy. ■ Phil

46176
Member Since: 02/12/11
Post: 2 of 28
Z-Prime Plus internal of crown, then Duolink RMGI cement, both from Bisco. ■

louthe
Member Since: 12/05/05
Post: 3 of 28
I thought you weren’t supposed to use a GI-based cement for zirconia crowns. Any truth to that?
I use RelyX Unicem Clicker. ■

Mike Hatcher
Member Since: 01/09/06
Post: 4 of 28
RelyX Unicem here, but I am pretty sure that they can also be cemented with your typical crown and bridge cement as well. ■

toothdoc
Member Since: 10/10/01
Post: 5 of 28
I think you can use pretty much anything you want. There is no true bond to zirconia, as I understand it, so that approach is more difficult and time consuming for no real benefit.
We use RelyX luting cement, powder/liquid. ■

BBlairDDS
Member Since: 01/11/08
Post: 6 of 28
RelyX. ■

uscds95
Member Since: 10/05/06
Post: 7 of 28
Uscds95, which one? ■ Ed

doctored
Member Since: 09/21/02
Post: 8 of 28
Ceramir Bioceramic C&B Cement

orcadent
Member Since: 03/20/09
Post: 9 of 28
RelyX Plus paste – out of the little clicker dispenser. ■ dan

ttoofdr1
Member Since: 08/08/00
Post: 10 of 28
continued on page 34
I use Brush&Bond to seal the dentin, and then use glass ionomer to cement.

RelyX luting powder and liquid with the powder carefully measured. Tried cementing then with bonding with Surpass/Anchor but had one come off. So far, so good with RelyX luting, but I’ve stopped doing them because they don’t look like teeth. Best of luck. ■ Tom

Metal primer on the internal surfaces of the crown and then FujiCEM.

Fuji Plus in capsules. (By the way they will give you a nice mixer if you order 500 capsules.)

RelyX Unicem… followed by flossing the contacts very quickly. That stuff sets fast... ask me how I know.

I was talking to my lab and I am just doing my first zirconia crown case. He told me to ensure I use a cement that is color-stable over time. I was planning on using RelyX Unicem clicker. Has anyone had problems with the shade changing over time with any cements and zirconia crowns?

Color stability is not an issue I worry about as the crown is opaque.

I have had a couple of zirconium oxide crowns pop off that were only cemented with a self-cure resin cement like Pentron Breeze or RelyX Unicem. After the incidences I started using Bisco’s Z-Prime Plus and this stuff is awesome. A lot of research papers (pubmed) and http://iadr.confex.com/iadr/2011sandiego/preliminaryprogram/session_25307.htm have shown Z-Prime Plus a very promising primer for the zirconium oxide, or any other MDP containing agent.

So I basically prime the zirconium oxide crowns with Z-prime Plus, then apply bonding agent of choice to the prep like Brush&Bond or OptiBond XTR and a dual-cure resin cement like SpeedCEM, Unicem2 or Breeze.

By the way, I also sandblast the internals using aluminum oxide powder before applying the Z-Prime. Remember, never use phosphoric acid on the crown to clean because that will change the chemical properties of the zirconium oxide to hinder any bonding.