



Quick Guide to All Ceramics - Cementation



What is the best cement for all ceramic restorations? Well, as you might expect, it's really down to personal preference but our advice is to choose from the range of excellent self-adhesive resin cements currently available.

Why this type? Well, these cements are variations of filled BIS-GMA resin and other methacrylics. Polymerization occurs through chemically initiated mechanisms, photopolymerization, or a combination of both.



They are available in different shades and opacities, and their high strength and insolubility in the oral cavity normally make this the cement of choice for aesthetic all ceramic restorations. They are also useful in cases where it is difficult to provide proper retention. However, some systems require a number of steps that are technique sensitive.

On the left we have featured four well known brands, Panavia F from Kuraray (www.kuraraydental.com), RelyX UniCem from 3M ESPE (www.3MESPE.com/uk) Nexus from Kerr (www.kerrdental.com) and Variolink2 from Ivoclar (www.ivoclarvivadent.co.uk).



As we said at the beginning it's really down to personal preference so I asked my dentist who replied as follows:-

"I would settle for RelyX UniCem, a self-adhesive resin cement. It does not expand and thus does not "crack" the ceramic, it is extremely easy to use in capsules, and has got "rave" reviews from all individuals and organizations (CRA for example) who have used it."



"I can also use Panavia or Nexus, Variolink etc, but they are all more "fiddly" to use. Under no circumstance would I use a glass ionomer cement or - heaven forbid! - a zinc phosphate!"

Probably, this is as good advice as you will get anywhere.