Maximizing the Benefits of Your Universal Adhesive—Five Things to Know

1. **Use it in the etching mode you prefer.**
Most currently available single-bottle universal adhesives are designed to use in total-etch (etch and rinse), self-etch, or selective-etch modes (Figure 1). Recent long-term clinical research shows that selective-etching of enamel provides the best clinical results (B. Van Meerbeek et al, *Dental Materials*, 2010).

2. **Use as a primer for pretreating your prosthetic restorations.**
CLEARFIL Universal Bond Quick has both the original MDP and gamma-MPS (silane monomer) in one bottle. These 2 ingredients enable its use as a pretreatment agent for the most widely used ceramics and zirconia prosthetic restorations. One important issue that researchers report is that all MDPs are not the same, thereby making it important to select a universal adhesive with the original MDP (K Yoshihara et al, *IADR*, 2014, Abstract 29).

3. **Use it with your favorite self-adhesive resin cement.**
CLEARFIL Universal Bond Quick can be used with PANAVIA SA Cement Plus self-adhesive cement (Figure 2). Application of this universal adhesive prior to cementation may help in cases where retention is questionable and extra adhesion is needed, such as nonretentive preps.

4. **Combine with your core material for direct core buildups.**
CLEARFIL Universal Bond Quick can be combined with CLEARFIL DC CORE Plus for core buildups (Figure 2). There is no separate activator needed; you can simply apply your universal adhesive and use the core build-up material. You can prep the core material after light curing, similar to your dentin prep for a crown or bridge case.

5. **Minimizes technique sensitivity.**
Universal adhesives have different application times. Some popular universal adhesives need you to rub the bond for 20 seconds to achieve manufacturers’ recommended adhesion. Time is required for penetration of the adhesive into the tooth surface to form the hybrid layer required for adhesion. On the other hand, Kuraray Noritake’s CLEARFIL Universal Bond Quick is made with a new amide monomer technology (Figure 3) that penetrates the tooth substrate very quickly, thereby eliminating waiting time. There is no worry whether the bond has been applied properly with sufficient application time for successful bonding.

In conclusion, a true universal adhesive is not simply one that can be used with different etching modes but one that can be used in virtually every clinical application and adheres to virtually any restorative material (lithium disilicate, zirconia, and metals).

For more information, call Kuraray America at (800) 879-1676 or visit the website located at kuraraydental.com.

---

**Figure 1.** All etching techniques.  
**Figure 2.** Simplified technique when used with a resin cement or core build-up material.  
**Figure 3.** New original MDP and AMIDE chemistry.