

**MARTIN H. ZASE, DMD, MAGD, AAACD**  
Accredited Member American Academy of Cosmetic Dentistry  
79A Norwich Avenue Colchester, CT 06415 (860) 537-2351  
Martyzase@aol.com

## **STEP BY STEP TOTAL-ETCH BONDING TECHNIQUE FOR POSTERIOR COMPOSITES**

- 1) Etch with 37% phosphoric acid. Rinse thoroughly and blow off residual water.
- 2) Rewet with Gluma (or Microprime G) desensitizer.
- 3) Blot Gluma with a microbrush (on the patient's bib) leaving moist dentin.
- 4) Do not thin out with air.
- 5) Apply multiple coats of 5th generation (prime and bond together) or **preferably a Universal 8<sup>th</sup> generation bonding agent** according to manufacturer's instructions being sure to air dry off solvent.
- 6) Cure
- 7) Apply and cure thin layer of flowable composite over all dentin.
- 8) Apply and cure dentin shade hybrid, microhybrid or nanofil composite.
- 9) Apply and cure enamel shade hybrid, microhybrid or nanofil composite (these two steps could be combined depending on the brand of composite you use).
- 10) Apply translucent layer for top 1/2 to 1 mm. (eg: Heliomolar HB Shade TW.)
- 11) Shape and cure.
- 12) Adjust occlusion, polish, and finish.

## **STEP BY STEP SELF-ETCH BONDING TECHNIQUE FOR POSTERIOR COMPOSITES**

- 1) Rinse thoroughly and blow off residual water.
- 2) Apply 6th generation bonding agent (etch and prime together) according to manufacturer's instructions being sure to agitate for at least 20 seconds.
- 3) A air dry off solvent and cure.
- 4) Apply and cure thin layer of flowable composite over all dentin.
- 5) Apply and cure dentin shade hybrid, microhybrid or nanofil composite.
- 6) Apply and cure enamel shade hybrid, microhybrid or nanofil composite (these two steps could be combined depending on the brand of composite you use).
- 7) Apply translucent layer for top 1/2 to 1 mm. (eg: Heliomolar HB Shade TW.)
- 8) Shape and cure.
- 9) Adjust occlusion, polish, and finish.

**TODAY, I prefer to use an 8<sup>th</sup> generation Universal bonding agent that contains MDP following the total etch technique above for the best possible bond to both enamel and dentin. (eg: All Bond Universal).**

I'll be glad to respond to any questions by email

