

## Frequently Asked Questions

- 1. Is the color of the adhesive a curing indicator?**
  - A. No, the color change does not indicate curing of the adhesive. Under ambient light, the pink color fades away several minutes before the adhesive cures.
- 2. Is the consistency of APC™ PLUS Adhesive comparable to APC™ II Adhesive?**
  - A. The consistency of APC PLUS adhesive has been engineered to be very closely matched with that of APC II adhesive. You might find, however, that APC PLUS adhesive is slightly tackier.
- 3. After seating APC PLUS system brackets, is there a way to slow the fading of the pink color?**
  - A. Yes, covering the patient's mouth with a dark cloth will retard the fading of the pink color.
- 4. Can the colored APC PLUS adhesive stain the teeth?**
  - A. No, APC PLUS adhesive bleaches with light exposure and will not stain teeth.
- 5. What is the filler material in APC PLUS adhesive?**
  - A. The filler material is a mixture of quartz, fumed silica, and fluoride-containing glass.
- 6. Can I move the bracket after seating but before curing?**
  - A. Once the bracket has been seated, the adhesive is squeezed out. If the bracket is moved at this point, there may not be complete adhesive coverage under the bracket, which may result in bond failure or decalcification. To ensure complete coverage, remove the bracket, apply additional Transbond™ XT Adhesive and proceed as usual with your bonding steps.
- 7. What is the difference in bond strength between APC II adhesive coated brackets and APC PLUS adhesive coated brackets?**
  - A. Both APC II adhesive coated brackets and APC PLUS adhesive coated brackets provide clinically acceptable shear bond forces when used with either ceramic or metal appliances.
- 8. Do APC PLUS adhesive coated ceramic and metal brackets cure in the same time as APC II system brackets?**
  - A. Yes, APC PLUS and APC II adhesive coated brackets cure in the same amount of time, and using the same methods. See Figure 1 below.
- 9. How is APC™ PLUS adhesive cured?**
  - A. APC PLUS adhesive contains camphorquinone (CPQ) and is cured by visible light emitting at a wavelength of approximately 475 nanometers.
- 10. How long should I wait before placing the archwire?**
  - A. The archwire can be placed immediately after curing all brackets.
- 11. My APC PLUS system brackets were exposed to 90-100°F (32-38°C) temperatures for a short period of time. Are they still okay?**
  - A. Yes, temperature elevation for a period of 2-3 hours will not affect shelf life or effectiveness of the adhesive on the bracket as long as it was not exposed to bright light, and it is allowed to reach room temperature prior to use.

| APPLIANCE<br>(APC™ PLUS System) | HALOGEN<br>Ortholux™ XT<br>Curing Light<br>(App. 600 mW/cm <sup>2</sup> ) | PLASMA ARC<br>(Typical)<br>(App. 2000 mW/cm <sup>2</sup> ) | LED<br>Ortholux™ LED<br>Curing Light<br>(App. 1000 mW/cm <sup>2</sup> ) |
|---------------------------------|---|--|---|
| Metal Brackets                  | 10 seconds mesial<br>+<br>10 seconds distal                               | 3 seconds mesial<br>+<br>3 seconds distal                  | 5 seconds mesial<br>+<br>5 seconds distal                               |
| Ceramic Brackets                | 10 seconds<br>through the bracket   | 3 seconds<br>through the bracket                           | 5 seconds<br>through the bracket  |
| Bondable Buccal Tubes           | 20 seconds mesial<br>+<br>20 seconds occlusal                             | 6 seconds mesial<br>+<br>6 seconds occlusal                | 10 seconds mesial<br>+<br>10 seconds occlusal                           |

Figure 1

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## Adhesive Coated Appliance System

### Frequently Asked Questions

#### 12. Can I store APC PLUS system brackets in the freezer to extend shelf life?

- A. No, this system should not be frozen. If refrigerated, it is imperative that the bracket reaches room temperature (68-77°F) before use. Abrupt movement of the package when the adhesive is very cold can cause bracket displacement from the proper location in the blister.

#### 13. How can I clean dried adhesive from instruments?

- A. It is best to clean instruments immediately after use. Adhesive remnants on instruments that are not completely cured can be cleaned by scraping the adhesive off the instrument, followed by cleaning with solvent or ultrasonically. However, if the adhesive is completely cured, it is very difficult to clean the instrument without damaging it. Cured adhesive may be carefully scraped off using another instrument. Take care not to scratch either instrument in the process.

#### 14. Does APC PLUS adhesive contain fluoride?

- A. Yes, the APC PLUS adhesive does contain and release fluoride.

#### 15. Is APC PLUS adhesive moisture tolerant?

- A. Yes, APC PLUS adhesive contains hydrophilic monomers and cured APC PLUS adhesive has an improved absorption of moisture compared to APC II adhesive.

Using Transbond™ Plus Self Etching Primer or Transbond™ MIP Primer, both moisture-tolerant primers, along with APC PLUS system brackets will provide a complete moisture-tolerant bonding system. Using a hydrophobic primer with the APC PLUS system brackets will not provide a moisture-tolerant system.

#### 16. Can I bond patients with a case containing both APC™ II and APC PLUS adhesive coated brackets? Will the bonding procedure change?

- A. APC II and APC PLUS system brackets can be used interchangeably. There is no need to change your bonding technique.



#### 17. What is the shelf life of APC PLUS system brackets?

- A. APC PLUS system brackets have a shelf life of 2.5 years (30 months) at room temperature.

#### 18. Is APC PLUS adhesive compatible with other primers or sealants?

- A. Yes, most primers or sealants based on bis-GMA monomer will be compatible with APC PLUS adhesive.

#### 19. Is the taste or odor associated with APC PLUS adhesive different than that of APC II adhesive?

- A. No. The taste and odor of APC PLUS adhesive is very similar to that of APC II adhesive.



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