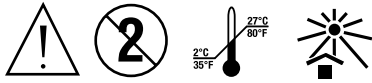


## APC™ PLUS

### Adhesive Coated Appliance System

#### Instructions For Use



**Warning:** This product contains nickel and/or chromium. A small percentage of the population is known to be allergic to nickel and/or chromium. If an allergic reaction occurs, direct patient to consult a physician.

**Warning:** Acrylate monomers are known to produce allergic skin reactions in certain sensitive individuals. May cause eye and skin irritation.

**Precautions:** Avoid eye and skin contact. Wear gloves when handling this material.

**First Aid: Eye contact:** Immediately flush with plenty of water. See a physician if irritation persists.

**Skin contact:** Wash affected area with soap and water. See a physician if irritation persists.

**Caution: Porcelain Crowns or Facings:** Care must be taken when bonding to porcelain crowns or facings as debonding may cause chipping, delamination or breakage of the crown. Do not bond to porcelain crowns that have thin facings or that appear to be compromised. Prepare the porcelain crown to be bonded by using a porcelain primer such as 3M's RelyX™ Ceramic Primer. Follow instructions included with the porcelain primer.

**Note: APC™ PLUS Adhesive Coated Appliances feature a unique color-change adhesive that appears pink when the blister is first opened. Some variation in the intensity of the pink color in the blister is acceptable and is not an indication of adhesive cure. This color-change property may assist in positioning and/or adhesive flash clean-up. The adhesive color begins to fade under ambient light and completely fades after light-curing. Please note that the fading of the color is not an indication of cure.**

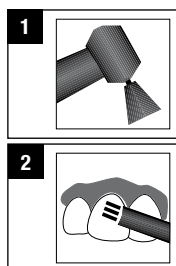
#### Note: Indirect Bonding Using APC PLUS

- Because of the hydrophilic nature of the APC PLUS adhesive, it is not as effective for indirect bonding as a hydrophobic adhesive such as APC™ II Adhesive. However, if APC PLUS adhesive is chosen to be used for indirect bonding, best results will be achieved when the stone model is thoroughly dried before placing the APC PLUS brackets. After pouring the ortho stone into the impression, the stone model should be dried overnight in an oven at 110°F (43°C) or under ambient conditions.
- After removing the indirect bonding tray from the stone model, rinsing and drying, you may observe a cloudy white layer on the custom resin base. This white color is caused by a very thin surface layer of APC PLUS adhesive resin. Subsequent microetching or cleaning (e.g. using a toothbrush) of the custom resin base will remove this layer and should provide adequate bond strength. This whitish layer only occurs during indirect bonding.
- It is strongly recommended that a secondary cure of the custom resin bases be performed by directly exposing the tray to a light source to achieve a complete cure.

Note that direct bonding of APC PLUS adhesive coated brackets is not affected by the hydrophilic properties of the adhesive.

#### Preparation with Conventional Etchant and Primer Tooth Preparation

- Prophy teeth with an oil-free pumice or paste. Rinse with water. Figure 1.
- Isolate teeth with cotton rolls.
- Air dry thoroughly using oil and moisture-free air source. Figure 2.



#### Acid Etching

- If using Transbond™ Plus Self Etching Primer, proceed to Option 3: Priming Surfaces with Transbond™ Plus Self Etching Primer steps below. Otherwise, continue with phosphoric acid etching.
- Apply Unitek™ Etching Gel (REF 712-039) to teeth surfaces following the instructions provided with the etching gel delivery system. If using other gel etching systems, consult the manufacturer's instructions for proper technique and recommended etching times.
- Rinse with water.
- Air dry thoroughly using oil and moisture-free air source.

#### Priming Teeth

Option 1: Priming Surfaces with Transbond™ XT Primer

For detailed instructions on Transbond XT Primer, please refer to REF 011-519.

Option 2: Priming Surfaces with Transbond™ MIP Moisture Insensitive Primer

For detailed instructions on Transbond MIP Moisture Insensitive Primer, please refer to REF 011-563.

Option 3: Priming Surfaces with Transbond™ Plus Self Etching Primer

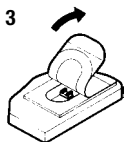
For detailed instructions on Transbond Plus Self Etching Primer, please refer to REF 011-581.

**Note: APC™ PLUS Adhesive Coated Appliances feature a unique color-change adhesive that appears pink when the blister is first opened. Some variation in the intensity of the pink color in the blister is acceptable and is not an indication of adhesive cure. This color-change property may assist in positioning and/or adhesive flash clean-up. The adhesive color begins to fade under ambient light and completely fades after light-curing. Please note that the fading of the color is not an indication of cure.**

#### Bracket Placement and Curing

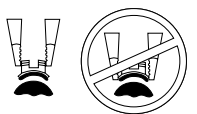
- Appliance Removal – Determine the tooth to be bonded. Select the adhesive coated appliance and peel back the tab lid of the individual appliance blister. Figure 3.

Figure 3



**Important Note: To prevent adhesive from premature curing and fading of the pink color, DO NOT open blister packs until ready for appliance placement. Blisters cannot be re-sealed.**

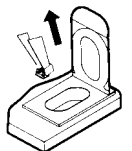
Figure 4



- To remove the adhesive coated appliance from the blister, grasp the mesial/distal sides of the appliance with a bracket placement instrument and pull gently in an upward and straight motion. Figure 4.

**Note:** The appliance has been pre-oriented in the blister to facilitate placement (Figure 5).

Figure 5



- Lightly place appliance onto tooth surface, adjust to final position and then press firmly.

**Note:** If final positioning will be delayed, cover patient's mouth with a dark colored mask or other article to avoid premature curing and fading of the pink color by ambient light.

- Gently remove excess adhesive around appliance base. The pink color aids in flash removal. Figure 6.
- Hold the curing light stationary at a distance of 2-3 mm above interproximal contact for metal appliances and perpendicular to ceramic appliance surface.



Refer to the chart to determine the curing conditions for optimal bond strength. If your curing light does not appear on this chart, please refer to your light manufacturer's instructions for curing conditions.

Appliance with APC™ PLUS Adhesive	Ortholux™ LED Curing Light (App. 1000 mW/cm <sup>2</sup> ) (LED)	Ortholux™ Luminous Curing Light (App. 1600 mW/cm <sup>2</sup> ) (LED)
<b>Metal Brackets</b>	5 seconds mesial + 5 seconds distal	3 seconds mesial + 3 seconds distal
<b>Ceramic Brackets</b>	5 seconds through the bracket	3 seconds through the bracket
<b>Bondable Buccal Tubes</b>	10 seconds mesial + 10 seconds occlusal	6 seconds mesial + 6 seconds occlusal

A technique tip for faster light curing of metal brackets is to position the curing light guide interproximal to two brackets. Figure 7. However, in order for the bracket to fully cure, both sides of the bracket must be cured.

**Precaution:** Please follow manufacturer's directions for the handling, proper use and eye protection recommendations when using a curing light.

6. Archwires may be placed immediately after curing the last appliance.

#### Storage and Use

1. Do not expose materials to elevated temperatures or intense light. Bring to room temperature prior to use.
2. Do not store material in proximity to eugenol-containing products as this may inhibit proper curing of the adhesive.
3. This system is designed to be used at room temperature (68-77°F, 20-25°C). Do NOT freeze. Store between 2-27°C/35-80°F
4. Shelf-life at room temperature is per the expiration date on the individual blister pack lid. Rotate inventory to optimize shelf life.
5. DO NOT expose uncured APC™ PLUS appliances to ambient light for extended periods of time. When not in use, store blisters in original packaging or dispensing unit at room temperature.

**Figure 7**

**Metal**



**3M**

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