**Parkell Product:**

**Brush&Bond®**

**INTRO KIT**

**STOCK NO. S284**

**ACTIVATOR MICROBRUSH®**

**STOCK NO. S285**

**MINI/ENDO ACTIVATOR BRUSH REFILL**

**STOCK NO. S286**

**STOCK NO. S287**

**CAUTION: Rx Only**

**STORE IN A DARK, COOL, LOW HUMIDITY ENVIRONMENT.**

**DESCRIPTION:**

Parkell's BRUSH&BOND® is a selfetching, selfpriming, light-cured dental adhesive system that utilizes proven 4-META chemistry to enhance penetration into prepared enamel and dentin surfaces and establish a strong bond to restorative materials. It does not require acid etching of dentin or CUT enamel surfaces before use, but can be pre-etched with phosphoric acid without negative effects. BRUSH&BOND® (BB) can be cured with light between 350nm and 510nm, using any currently available halogen, PAC, laser or LED dental curing light.

BRUSH&BOND is suitable for bonding directly applied composite resin restorations, sealing and protecting crown preparations, bonding posts and cores with appropriate luting resin cements and desensitizing cold-sensitive cervical dentin and cementum. Because of its minimal film thickness (approx. 5 microns), B&B may also be used as the adhesive for indirectly fabricated restorations luted with resin cement. It is compatible with light-, dual-, and auto-cured resins. A single coat of B&B is sufficient for most restorations.

The Intro Kit contains a single bottle of liquid resin and specially designed “activator brushes” which contain chemistry to ensure complete polymerization. BRUSH&BOND Activator Brushes are available in two sizes. The original size “Activator Microbrush®” is provided in the BRUSH&BOND Intro Kit or as a refill (Stock No. S286). The longer, narrower “Mini/Endo Activator Brushes” (Stock No. S287) are available separately and are excellent for use in small cavity preparations or endodontic post holes. B&B must always be activated with one of our special brushes before use. After activation, it can be applied to the tooth with our brushes, or any appropriate dental instrument.

**BEFORE USING THE KIT:**

1. Open the back of the dispensing tube (the non-perforated cap). Remove the black bag containing the Microbrush® activators.

2. Cut the indicated end of the bag.

3. Empty the brushes back into the tube (brush handle downward) and replace the cap.

4. To remove a brush - Hold the tube vertically with the perforated cap downward. If a brush handle does not slide out of the hole, tap the side of the tube until a brush handle emerges. (Do not shake up and down.) When the tube is almost empty, it may be easier to simply remove the cover.

**DIRECTIONS FOR RESTORATIVE USE, AS A POST/CORE ADHESIVE, OR A DESENSITIZER:**

1. Rubber dam application is recommended.

2. Cut cavity prep, or pumice sensitive cervical area. Rinse with clean water and air dry as usual.

ETCHING NOTE: BRUSH&BOND will bond to dentin and CUT enamel without etching. However, bond strength to CUT enamel surfaces or to sclerotic or root dentin may be enhanced by a short (5-10s) acid etch with phosphoric acid prior to application. UNCTEN enamel MUST be etched with phosphoric acid for approximately 15 sec. prior to application.

3. Dispense 1-3 drops of BRUSH&BOND Liquid (Stock No. S285) into the mixing well provided and stir for about 2 seconds with an “Activator Microbrush®” (Stock No. S286), or a “Mini/Endo Activator Brush” (Stock No. S287). B&B brushes contain a chemical activator critical to the success of the bonding procedure.
DO NOT substitute standard Microbrushes® or other brushes during this activation step, because they will NOT activate the liquid! Our brushes are for a single activation only.
To activate another portion of liquid, you must use a new brush.
4. Activated B&B liquid in the mixing well should be covered and used within 3 minutes.
5. Apply activated liquid onto prepared tooth surfaces and keep moist with liquid for 20 seconds.
6. Evaporate the B&B solvents with a gentle air stream for 10 seconds.
7. Light-cure the remaining B&B resin with any dental curing light, following these guidelines:
   b. Halogen Light - 5 sec.
   c. Light Emitting Diode (LED) Light - 10 sec.
   d. High Intensity LED Light - 5 sec.
8. Place restoration. If using B&B as a desensitizer, air test and reapply if needed.

DIRECTIONS FOR USE ON PREPARED TEETH AS A PREP SEALANT:
1. Cut your prep, take your impression, and fabricate your temporary BEFORE B&B is applied.
2. Clean off any residual uncured temporary resin from the inside of the temp and the outside of the prepped tooth with acetone or ethyl alcohol. Rinse prep with water before the solvent cleaner evaporates, and gently dry with air.
3. NOW apply and cure the B&B to the prep as described above.
4. Lubricate the coronal ¼ of the prep with a water-soluble lubricant (eg. K-Y), leaving only the margin clean.
5. Cement the temp with a non-eugenol cement or a resin cement like Parkell's E.T.C.™ Easy Temporary Cement (Stock No. S255). Remove the excess cement.
6. On the day of insertion, remove the temp and any residual cement. Scrub the prep clean with a cotton pledge soaked in acetone or Parkell’s Cavidity (Stock No. HS099), or with phosphoric acid gel on a rotary brush or cup for 10 seconds. Follow either with a re-hydrating water rinse and lightly air dry.
7. Rejuvenate the B&B surface by applying and curing a fresh coat of B&B as instructed above, and lute with a resin cement or a resin-containing glass ionomer cement.

PRECAUTIONS:
DO NOT STORE BRUSH&BOND IN A REFRIGERATOR WHERE FREEZING MAY OCCUR.
FREEZING WILL CAUSE PHASE SEPARATION, WHICH WILL DESTROY THE PRODUCT.
Store in a dark, cool, low-humidity environment.

Avoid contamination of product. Do not mix components with those of other materials. Do not return dispensed product to the mixing well.

Parkell will replace defective material. This warranty is in lieu of all warranties of merchantability, fitness for purpose or other warranties, express or implied. Parkell does not accept liability for any loss or damage, direct, consequential or otherwise, arising out of the use of or the inability to use the product herein described. Before using, the user shall determine the suitability of the product for its intended use and the user assumes all risk and liability whatsoever in connection herewith.

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Phone: 631-249-1134 • Fax: 631-249-1242 • E-Mail: info@parkell.com • www.parkell.com
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8. Place restoration. If using B&B as a desensitizer, air test and reapply if needed.

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3. NOW apply and cure the B&B to the prep as described above.

4. Lubricate the coronal ¾ of the prep with a water-soluble lubricant (jellyroll, etc.).

5. Cement the temp with a non-eugenol cement or a resin cement like Parkell’s E.T.C.™ Easy Temporary Cement (Stock No. S255). Remove the excess cement.

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FREEZING WILL CAUSE PHASE SEPARATION, WHICH WILL DESTROY THE PRODUCT.

Store in a dark, cool, low-humidity environment.

Avoid contamination of product. Do not mix components with those of other materials. Do not return dispersed components to their original container. Dispose of leftover material properly. Liquid contains acetone, which is flammable. AVOID OPEN FLAME, and use in well ventilated areas.

Material is acidic. Contact with oral mucosa may cause transitory whitening, which will pass with a day. Use of rubber dam, proper intra-oral evacuation and post-operative water rinsing helps prevent this. Protect patient’s eyes when using all dental materials.

**WARNINGS**:

Uncured BRUSH&BOND is NOT for internal consumption. This material is CONTRAINDICATED for use on or by persons who are methacrylate sensitive.

**WARRANTY**:

Parkell will replace defective material. This warranty is in lieu of all warranties of merchantability, fitness for purpose or other warranties, express or implied. Parkell does not accept liability for any loss or damage, direct, consequential or otherwise, arising out of the use of or the inability to use the product herein described. Before using the product for its intended use and the user assumes all risk and liability whatsoever in connection herewith.

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Parkell Product:  
**Information:**

**Brush&Bond®**

**Intro Kit**
STOCK NO. S284

**Liquid Refill (3ml)**
STOCK NO. S285

**Activator Microbrush® Refill (Qty:100)**
STOCK NO. S286

**Mini/Endo Activator Brush Refill (Qty:100)**
STOCK NO. S287

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**BEFORE USING THE KIT:**

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2. **Cut** the indicated end of the bag.
3. **Empty** the brushes back into the tube (brush handle downward) and replace the cap.
4. **To remove a brush** - Hold the tube vertically with the perforated cap downward. If a brush handle does not slide out of the hole, tap the side of the tube until a brush handle emerges. (Do not shake up and down.) When the tube is almost empty, it may be easier to simply remove the cover.

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