

parkell®

REF S370, various

A00079revM0120

Kit components (including Catalyst syringe) may be refrigerated but not frozen.

PRODUCT DESCRIPTION

Amalgambond Plus is a self-cure bonding system for amalgam and composite resin restorations.

INTENDED USE/INDICATIONS

- Retention of amalgam and resin composite restorations.
- Treatment and prevention of sensitivity.
- Capping small vital exposures.

CONTRAINDICATIONS

Not for use on or by persons who have a methacrylate or HEMA sensitivity. Use of protective gloves and a no-touch technique is recommended.

PRECAUTIONS

- **Caution:** Do not swallow. Not for internal use. Wash immediately if accidentally applied to skin, eyes or soft tissue.
- **Caution:** Do not use Amalgambond on surfaces that have been contaminated with eugenol (ZOE, etc.) as it will inhibit setting.
- **Caution:** Prevent contamination of surfaces being bonded. Whenever possible, use a rubber dam.
- **Caution:** Use of retentive pins in conjunction with Amalgambond is not generally necessary.

WHAT'S SUPPLIED

- **Dentin Activator 'A' Universal Gel** - 5 ml (REF S394)
- **Adhesive Agent 'AA'** - 8 ml Liquid (REF S374)
- **Base 'B'** - 5 ml Liquid (REF S372)

- **Catalyst 'C'** - 0.7 ml Liquid (REF S371)



- **HPA Powder** - 2 g (REF S376)
- **Precision Applicators** - 50pc (REF S379)

DIRECTIONS

1. Prepare cavity for composite, amalgam or inlay restoration as usual. Severe retentive point angles and undercuts can be eliminated in amalgam or composite preparations.
2. Clean and lightly dry preparation.
3. **NEVER USE CAVITY VARNISH OR PAIN-FREE PRIOR TO AMALGAMBOND.** Ca(OH)₂ liners are not necessary.

CAUTION: To prevent Amalgambond Plus from adhering to metal matrices, coat the inner aspect with a thin layer of wax, cavity varnish, or mineral oil. Otherwise, amalgam alloy may bond to the metal matrix and fracture the restoration when the band is removed.

ADVERSE REACTIONS

Before treatment, inquiry should be made to determine whether the patient has had previous hypersensitivity reactions to any of the ingredients in Amalgambond. Amalgambond Adhesive Agent (AA) and Amalgambond Base contain HEMA (2-hydroxy-ethylmethacrylate), a known contact allergen. A small percentage of the population is known to have an allergic response to methacrylate resins. To reduce the risk of allergic response, minimize exposure to these materials. Use of protective gloves and a no-touch technique is recommended. Use in well-ventilated room.

4. Dispense 1 or 2 drops of DENTIN ACTIVATOR (A) into mixing well. Apply to exposed dentin for 10 seconds. Wash thoroughly and dry with oil-free, moisture-free air-stream. DENTIN ACTIVATOR can also be used to etch enamel that surrounds preparations IF it is left on enamel for 30 seconds before water-rinsing.
5. Brush a thin layer of ADHESIVE AGENT (AA) onto activated dentin surfaces. Blow away "puddles" with a GENTLE air-stream to achieve an even, thin layer of coverage. Leave undisturbed for 30 seconds. It is not necessary to apply ADHESIVE AGENT to etched enamel surfaces, but there is no harm if some overruns onto enamel.
6. If the restoration is an amalgam, begin trituration NOW, so alloy will be ready to condense as soon as the Amalgambond Plus resin mixture of base/catalyst has been applied (alloy condensed while mix is wet.)
7. Dispense 2 drops of BASE (B) and 1 drop of CATALYST (C) into a clean, dry mixing well. Mix thoroughly with GENTLE STIRRING for 3-5 seconds, and brush a thin, even layer onto dentin and enamel. When placing amalgam, begin condensation immediately, before the adhesive resin dries. For composites, allow the adhesive resin to dry for 60-90 seconds before applying the composite.

VIRTUALLY IMPOSSIBLE SITUATIONS

For stronger, super-retentive amalgam bonds to teeth whose preparation leave little or no support, HPA powder is recommended. To make an HPA mix, dispense 3 drops BASE, 1 drop CATALYST, 1 scoop HPA powder into mixing well and GENTLY STIR. Apply a thin layer of this mixture to the preparation. Condense amalgam while this HPA mixture is still wet. **NEVER USE HPA POWDER WITH COMPOSITE.**

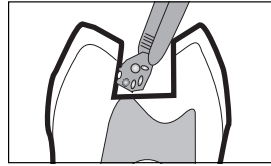
DIRECTIONS FOR AN ADHESIVE PULP CAP

An Amalgambond pulp cap is not an alternative to endodontic therapy. A tooth suffering irreversible pulpitis, or one that has limited recuperative power, requires a root canal.

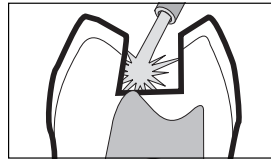
However, if the exposure is small, with fresh bleeding (such as a pinpoint iatrogenic exposure), Amalgambond can serve as an

excellent capping material, particularly if the patient is young so the pulp has strong recuperative powers.

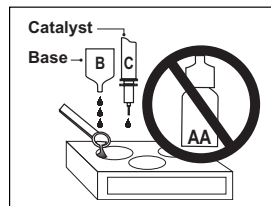
If you intend to bond an amalgam restoration and have good access to the exposure, place your lubricated matrix before beginning the cap. If it is hard to see, however, band the tooth after Step 5.



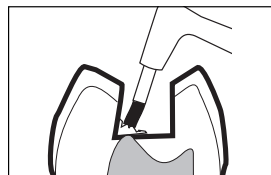
1. Apply the Green Dentin Activator for 10 seconds to both the exposure and the preparation. (The ferric chloride in the solution should control the bleeding.)



2. Rinse the tooth thoroughly. Then lightly dry it to eliminate standing water.



3. Do NOT apply the "AA" solution at this stage. (This 35% aqueous solution of HEMA might irritate the exposed pulp.) Mix Amalgambond-Plus with the HPA powder (3 drops base, 1 drop catalyst, one scoop HPA powder.)



4. Apply the adhesive to the exposure and the dentin immediately surrounding it.

5. Allow the adhesive to polymerize. This will seal the exposure.
6. Apply the AA component to the entire preparation. Allow it to sit undisturbed for 30 seconds, then gently blow off any puddles.
7. Mix the Amalgambond using the appropriate Base : Catalyst ratio (with or without the HPA powder.)
8. Brush the mixture onto the preparation.

If you're using composite, allow the adhesive to cure thoroughly (60-90 seconds) before beginning the buildup.

If you're using amalgam, begin lightly condensing as soon as the adhesive has been applied to the tooth. Do not apply too much pressure or you may disrupt the pulp cap. Since spherical alloys condense easily at low pressure, they're probably a better choice for pulp caps.

HELPFUL HINTS

Low-viscosity composite resins "wet" adhesively-prepared surfaces better than high-viscosity composites. If high-viscosity restoratives are preferred, apply a thin layer of UNFILLED OR FLOWABLE COMPOSITE RESIN and cure before applying the high-viscosity composite.

FOR ADDITIONS TO OLD AMALGAMS

Air-abrade surface of old filling with 50 micron Aluminum Oxide until "frosty". Use DENTIN ACTIVATOR on adjacent dentin. Apply thin, even layers of ADHESIVE AGENT and Amalgambond Plus resin, and condense new alloy before the adhesive resin dries. For even stronger bonds use HPA powder as directed in the '**Virtually Impossible Situations**' section of this manual.

FOR DIRECT COMPOSITES, COMPOSITE INLAYS OR VENEERS

Place composite restorative AFTER Amalgambond Plus adhesive resin has dried completely. HPA powder is not recommended for composites.

FOR APICOECTOMY OR ENDO-ACCESS SEALS

HPA POWDER is NOT recommended. Condense amalgam BEFORE Amalgambond Plus resin has dried.

WARRANTY














For full Warranty and Terms of Use information, please visit our website at www.parkell.com.

CONFORMANCE TO STANDARDS

Parkell's Quality System is certified to ISO 13485.

Safety Data Sheets (SDS) can be found online at www.parkell.com

EXPLANATION OF SYMBOLS USED

	Professional use only
	Follow instructions for use
	Temperature limit
	Keep away from sunlight
	Use-by date (expiration)
	Batch code
	Catalogue / stock number
	Package contents
	Do not use if package is damaged
	Manufacturer
	Single use only.
	Hazardous
	Flammable

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300 Executive Dr., Edgewood, NY 11717 USA • Parkell.com

Toll-Free: (800) 243-7446 • Phone: (631) 249-1134 • E-Mail: info@parkell.com