Sect. 1. INTRODUCTION

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

DIRECTIONS:

1. Prepare cavity for composite, amalgam or inlay restoration as usual.

2. Clean and lightly dry preparation.

3. Dispense 2 drops BASE (B) and 1 drop CATALYST (C). Mix to a clean, dry, mixing well. Mix thoroughly with GENTLE STIRRING for 3-5 seconds, or until the porosity of the amalgam is eliminated (decrease to 30 second for all amalgams or composite resins).

4. 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.

5. Apply the adhesive resin to the preparation, keeping it fluid until the adhesive resin dries. For composites, allow the adhesive resin to dry before applying the composite.

6. Use of Amalgambond on surfaces that have been contaminated with ZOE, etc. It will inhibit setting.

7. Do not use Amalgambond on surfaces that have been contaminated with ZOE, etc. It will inhibit setting.

8. Amalgambond-Plus with the HPA

9. Use of Amalgambond Plus from adhering to metal matrices, coat the inner aspect with a thin layer of wax, cavity varnish, or composite resin before placing amalgam, therefore an advantage for use in the oral cavity.

10. Do not use Amalgambond Plus on surfaces that have been contaminated with ZOE, etc. It will inhibit setting.

11. Use of Amalgambond Plus for composites, amalgam or inlay resin restorations. After using Amalgambond Plus, allow the adhesive resin to dry before applying the composite.

12. Use of Amalgambond Plus with the HPA

13. Do not apply the "AA" solution to any other restoration. This will seal the exposure.

14. Do not apply Amalgambond Plus from adhering to metal matrices, coat the inner aspect with a thin layer of wax, cavity varnish, or composite resin before placing amalgam, therefore an advantage for use in the oral cavity.

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17. Use of Amalgambond Plus with the HPA

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50. Use of Amalgambond Plus with the HPA

51. Do not apply Amalgambond Plus from adhering to metal matrices, coat the inner aspect with a thin layer of wax, cavity varnish, or composite resin before placing amalgam, therefore an advantage for use in the oral cavity.

52. Do not use Amalgambond Plus on surfaces that have been contaminated with ZOE, etc. It will inhibit setting.
6.) Since the etchant has already been applied, skip the green Dentin Activator. 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 as usual (with or without the HPA powder.)

8.) Brush the mixture onto the preparation.
If you’re using composite, allow the adhesive to cure thoroughly (90 seconds) before beginning the buildup.
If you’re using amalgam, begin lightly condensing as soon as the adhesive has been applied too the tooth. (Incidentally, the operative word here is “lightly.” Do not apply too much pressure or you may disrupt the pulp cap. Since spherical alloys like Tytin® condense easily at low pressure, they’re probably a better choice for cases where there have been exposures.)

HELPFUL HINTS:
• Loss of composite resin “seal” adhesively-prepared surfaces better than high-viscosity composites. If high-viscosity restoratives are preferred, apply a thin layer of UNFILLED OR FLOWABLE FILLED RESIN and cure before applying the high-viscosity composite.
• Loss of luting fiducies are preferred when sealing well-fitted inlays or onlays.

9.) Tightly reseal bottles immediately after use. Lowenstein catalyst screw 1 turn to relieve pressure.

FOR AMALGAMS:
Place and condense as soon as final Amalgambond Plus resin film has been applied and before it dries. For even stronger bonds in virtually impos-
sible cases use HPA (High Performance Additive). See ‘Virtually Impossible Situations’ box above for HPA use.

FOR ADDITIONS TO OLD AMALGAMS:
Amalgam surface of filler defect with an Aloatomer (Parkell stock No. D670). Use DENTIN ACTIVATOR on adjacent dentin. See above. Apply thin layer of ADHESIVE AGENT and Amalgambond Plus resin, and condense new alloy before the adhesive resin dries. For even stronger bonds use HPA powder. See ‘Virtually Impossible Situations’ box above for HPA use.

FOR DIRECT COMPOSITES OR VENERS:
Adhesive layer of Amalgambond Plus adhesive resin has dried completely. See above. Cure composite in incremental layers to reduce polymerization contraction. HPA powder is NOT recom-

FOR COMPOSITE INLAYS:
Hybrid composites are recommended for cementation. Their use reduces wear and ditching at margins. Lute composite inlays AFTER Amalgambond Plus resin has dried completely. HPA POWDER is NOT rec-

FOR APOCITYO or ENDO-ACCESS SEALS:
HPA POWDER is NOT recommended. If sealing with amalgam alloy, condense BEFORE Amalgambond Plus resin has dried. If sealing with composite, place restorative AFTER Amalgambond Plus resin has dried (90 seconds).

ADVERSE REACTIONS: Before treatment, inquiry should be made to determine if the patient has had previous hypersensitivity reactions to any of the ingredients in Amalgambond, Amalgambond Adhesive Agent (AA) and Amalgambond Base contain HEMA (2-hydroxyethylmethacrylate), 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 allergy, use of protective dust masks and a no-touch technique is recommended.

CAUTION: Do not swallows. Not for internal use. Wash immediately if accidently applied to skin, eyes or soft tissue. Use in well-ventilated rooms. Not for use on or by persons allergic to any of the ingredients. See following for MSDS.

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SECTION V - REACTIVITY DATA (PHYSICAL HAZARDS)

SECTION VI - HEALTH HAZARD DATA

SECTION VII - SPECIAL PRECAUTIONS AND SPILL OR LEAK PROCEDURES

SECTION VIII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

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SECTION I - PRODUCT IDENTIFICATION

SECTION II - HAZARDOUS INGREDIENTS/IDENTIFICATION INFORMATION

SECTION III - PHYSICAL & CHEMICAL CHARACTERISTICS

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

SECTION V - REACTIVITY DATA (PHYSICAL HAZARDS)

SECTION VI - HEALTH HAZARD DATA

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SECTION VIII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

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The technique and procedures presented here are only suggestions. As a professional, you must make your own decisions concerning the suitability of products in the treatment of your patients. Parkell is not responsible for any damages, attorney fees, or other liabilities that result, or are claimed to result in whole or in part from actual or alleged problems arising out of the use of these products or suggestions. Parkell will replace, at no charge, any defective material for a period of up to one (1) year from date of manufacture if it has been handled and stored properly.

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The MSDS is an integral part of the MSDS/Labeling program which is an integral part of the Corporate Comprehensive MSDS/Labeling program. Not for sale.
6.) Since the etchant has already been applied, skip the green Dentin Activator. 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 as usual (with or without the HPA powder.)

8.) Brush the mixture onto the preparation. If you’re using composite, allow the adhesive to cure thoroughly (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. (Incidentally, the operative word here is “lightly.” Do not apply too much pressure or you may disrupt the pulp cap. Since spherical alloys like Tytin® condense easily at low pressure, they’re probably a better choice for cases where there have been exposures.)

HELPFUL HINTS:

- Loss of composite resin “wet” adhesively-prepared surfaces better than high-viscosity composites. If high-viscosity restoratives are preferred, apply a thin layer of UNFILLED OR FLOWABLE FILLED RESIN and cure before applying the high-viscosity composite.

- Loss of luting luting efficacies are preferred when sealing fractured inlays or veneers.

- Tightly reseat bottlenecks immediately after use. Loosen catalyst screw 1 turn to relieve pressure.

FOR AMALGAMS:

- Place and condense as soon as final Amalgambond Plus resin film has been applied and before it dries. For even stronger bonds in virtually impossible cases use HPA (High Performance Additive). See “Virtually Impossible Situations” box above for HPA use.

FOR ADDITIONS TO OLD AMALGAMS:

- Amalgam surface of filling with an Aeroset (Parkell stock No. D670) use DENTIN ACTIVATOR on adjacent dentin. See above. Apply thin, even layer of ADHESIVE AGENT and Amalgambond Plus resin, and condense new alloy before the adhesive resin dries. For even stronger bonds use HPA powder. See “Virtually Impossible Situations” box above for HPA use.

FOR DIRECT COMPOSITES OR VENERES:

- If using composite inlays After Amalgambond Plus resin has dried completely. If using composite veneers After Amalgambond Plus resin has dried completely. Cure composite in incremental layers to reduce polymerization contraction. HPA powder is not recommended for direct composites.

FOR COMPOSITE INLAYS:

- Hybrid composites are recommended for cementation. Their use reduces wear and ditching at margins. Use composite inlays After Amalgambond Plus resin has dried completely. HPA POWDER IS NOT rec-ommended when cementing inlays or veneers.

FOR ACIPSECTOMY OR ENDO-ACCESS SEALS:

- HP POWDER IS NOT recommended. If sealing with amalgam alloy, condense BEFORE Amalgambond Plus resin has dried. If sealing with composite, place restorative AFTER Amalgambond Plus resin has dried (90 seconds).

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 reaction, use a no-touch technique. Use of protective gloves and a no-touch technique is recommended.

CAUTION: Do not swallow. Not for internal use. Wash immediately if accidentally applied to skin, eyes or soft tissue. Use in well-ventilated rooms. Not for use on or by persons allergic to any of the ingredients. See following for MSDS.

The technique and procedures presented here are only suggestions. As a professional, you must make your own decisions concerning the suitability of products in the treatment of your patients. Parkell is not responsible for any damages, attorney fees, or other liabilities that may accrue from the use of these products or suggestions. Parkell will replace, at no charge, any defective material for a period of up to 1 year from date of manufacture if it has been handled and stored properly.

PRODUCT INFORMATION: The following information is published by the manufacturer and is intended for use by the professional oral health care practitioner. Parkell is not responsible for any damages, attorney fees, or other liabilities that may accrue from the use of these products or suggestions. Parkell will replace, at no charge, any defective material for a period of up to 1 year from date of manufacture if it has been handled and stored properly.
DIRECTIONS:

1. Prepare cavity for composite, amalgam or inlay restoration as usual. Severe retentive point angles and undercuts can be eliminated in amalgam generally necessary or recommended. To make an HPA mix, dispense 3 drops BASE, 1 drop CATALYST, one scoop HPA powder. 

2. If you intend to bond an amalgam restoration and have good access to the exposed pulp,) mix Amalgambond-Plus with the HPA powder (3 drops base, 1 drop catalyst, one scoop HPA powder.) Mix Amalgambond-Plus with the HPA powder (3 drops base, 1 drop catalyst, one scoop HPA powder.)

3. NEVER USE CAVITY VARNISH OR PAIN-FREE. Caution: Do not swallow. Not for internal use. Wash immediately if accidently applied to skin, eyes or soft tissue. Contamination of surfaces being bonded. Whenever possible, use a rubber dam. Caution: Do not use Amalgambond on surfaces that have been contaminated with suspensions (ZOE, etc.) or it will inhibit setting. Prior application of Pain-Free, varnishes or liners (copal varnish, Cal-Or-H, glass ionomer) is not necessary or recommended, as it will reduce or prevent adhesion.

4. Do not use Amalgambond on surfaces that have been contaminated with suspensions (ZOE, etc.) or it will inhibit setting. Prior application of Pain-Free, varnishes or liners (copal varnish, Cal-Or-H, glass ionomer) is not necessary or recommended, as it will reduce or prevent adhesion.

5. Allow the adhesive to polymerize. This will seal the exposure. Care: Use of protective gloves and a no-touch technique is recommended. To prevent amalgam from bonding to the metal matrix, lubricate the interior of the band with wax or copal varnish before applying. Leave undisturbed for 30 seconds. It is not necessary to apply ADHESIVE AGENT to etched enamel surfaces, but there is no harm if some overspreads onto enamel.

6. If the restoration is an amalgam, begin lubrication NOW. If the restoration is an amalgam, begin lubrication NOW. DO NOT apply the “AA” solution immediately surrounding it.

7. Dispense 2 drops BASE (B) and 1 drop CATALYST (C) into a clean, dry mixing well. Mix thoroughly with GENTLE STIRRING for 3-5 seconds, occasionally stirring in the amalgam (and enamel for composite restorations.) When placing amalgam, begin condensation immediately, before the adhesive resin sets. For composites, allow the adhesive resin to dry before applying the composite.

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.
- 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.

8. If the exposure is small, with a fresh hemorrhage such as a pinhole exposure, amalgam and C&B Metabond can serve as excellent capping materials. 

9. If you intend to bond an amalgam restoration and have good access to the exposed pulp,) mix Amalgambond-Plus with the HPA powder (3 drops base, 1 drop catalyst, one scoop HPA powder.)

10. 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. A tooth suffering irreversible pulpitis, or one that has limited recuperative power, requires a root canal. However, if the exposure is small, with a fresh hemorrhage such as a pinhole exposure, amalgam and C&B Metabond can serve as excellent capping materials. 

11. If you intend to bond an amalgam restoration and have good access to the exposed pulp,) mix Amalgambond-Plus with the HPA powder (3 drops base, 1 drop catalyst, one scoop HPA powder.)

12. If you intend to bond an amalgam restoration and have good access to the exposed pulp,) mix Amalgambond-Plus with the HPA powder (3 drops base, 1 drop catalyst, one scoop HPA powder.)