

## PermaFlo™ DC Dual-Cure Composite Luting/Restorative Resin

**EN**

Doppelharter Komposit-Befestigungs-/Restaurationskunststoff

**Product Description**  
PermaFlo™ DC Composite Luting/Restorative Resin in conjunction with Peak™ Universal Bond is designed to provide chemically polymerized resin in combination with Peak™ Universal Bond to be used for direct restorations, indirect restorations and endodontic fillings. It can be used to fix dental crowns, inlays, onlays, porcelain crowns, and veneers onto teeth. It is a non-damaging composite resin which can be light cured for transparent restorations, i.e., inlays, and porcelain crowns. It can be used for direct restorations as an initial layer for posterior bonded composites and as a core material prior to crown fabrication. PermaFlo™ DC Composite Luting/Restorative Resin is 68-69% filled by weight, or 80% filled by volume (assuming a 1:1 base/catalyst mix), has an average particle size of 1.3 µm (µm weight), and is shaded to match the VITA shade guide. It is based on a bis-GMA/urethane acrylate copolymer.

For all products detailed, carefully read and understand all instructions and SDS information prior to use.

**Delivery Forms**

- Delivery Tip
- UltraFlextip® Mixing Tip
- Intraray Tip

**Indications for Use/Intended Purpose**

PermaFlo™ DC Composite Luting/Restorative Resin in conjunction with Peak™ Universal Bond is designed to provide chemically polymerized resin in combination with Peak™ Universal Bond to be used for direct restorations, indirect restorations and endodontic fillings. It can be used to fix dental crowns, inlays, onlays, porcelain crowns, and veneers onto teeth. It is a non-damaging composite resin which can be light cured for transparent restorations, i.e., inlays, and porcelain crowns. It can be used for direct restorations as an initial layer for posterior bonded composites and as a core material prior to crown fabrication. PermaFlo™ DC Composite Luting/Restorative Resin is 68-69% filled by weight, or 80% filled by volume (assuming a 1:1 base/catalyst mix), has an average particle size of 1.3 µm (µm weight), and is shaded to match the VITA shade guide. It is based on a bis-GMA/urethane acrylate copolymer.

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**Warnings and Precautions**

• For patients with allergies concerns, refer to product allergen document available at ultradent.com. If allergic reaction is observed, rinse exposed area thoroughly with water and have the patient consult their physician.

**Contraindications**

• For patients with allergies concerns, refer to product allergen document available at ultradent.com. If allergic reaction is observed, rinse exposed area thoroughly with water and have the patient consult their physician.

**Gegenanzeigen**

• Für Patienten oder Anwender mit Bedenken in Bezug auf Allergien: Siehe Dokument zu Allergenen im Produkt, das auf ultradent.com verfügbart ist. Kommt es zu einer allergischen Reaktion, spülen Sie die betroffenen Augen gründlich mit Wasser ab und rufen den Arzt an.

**Warnhinweise und Vorsichtshinweise**

• Harte Kronen: Reinigen verursachen. Vermeiden Sie wiederholten Kontakt von ungehärtem Zahnrä�e mit der Haut. Nach einer Allergie-Reaktion, Dermatitis oder einem Haussaftangriff, entsteht, wenn ein Patient die Luftröhre gefüllt, sofort eine starke Schwellung der Mundhöhle.

• Wenn das Produkt verschüttet wird, wie Wasser trinken und einen Arzt aufsuchen. Falls das Produkt in die Luftröhre gelangt, sofort einen Arzt kontaktieren.

• Patienten und dental professionals must wear protective eyewear with side shields

• UltraFlextip Mixing tips

• Tip are single use only

• To avoid chipping, remove tip and cap with Luer Lock caps between each use

• No direct operator light during restorative procedures to avoid premature polymerization

• Light-activated bonding agents are sensitive to ambient light. Syringe Luer Lock caps should be replaced regularly to prevent unwanted polymerization. Cover syringe tip with gaze if left exposed to ambient light for long periods.

• Establish adequate isolation.

• Handpiece and dental instruments should be stored in a dry place to prevent water damage.

• Resistants should be refrigerated for long-term storage to maintain shelf life

**Stepwise Instruction**

**Preparation - Indirect Bonding Technique**

1 Verify flow, color, and consistency of all chemicals prior to expressing intraorally. If resistance is met, replace tip and re-check.

2 Clean, dry, and prepare, rinse and dry (Consepsic™ Scrub with a STARbrush™ intercoronal brush will clean, disinfect, and remove residual cement).

3 Verify prosthesis fit.

4 Prepare inside surface of prosthesis.

5 Minimize or sandblast interface of the prosthesis.

6 Verify flow, color, and consistency of all chemicals prior to expressing intraorally. If resistance is met, replace tip and re-check.

7 Apply phosphoric acid such as Ultra-Etch™ to inside surface of prosthesis for 5 seconds to clean, etch, and dry.

8 Verify flow, color, and consistency of all chemicals prior to expressing intraorally. If resistance is met, replace tip and re-check.

9 Apply Ultra-Etch™ for 5 seconds to remove porcelyn salts and debris formed by HF etching. Rinse and dry.

10 Apply Ultra-Etch™ for 5 seconds to the dentin of the luting agent. Rinse and dry.

11 Apply Ultra-Etch™ to inside surface of the luting agent. Rinse and dry.

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14 Light cure for 10 seconds using a curing light with an intensity of 600 mW/cm<sup>2</sup>.

15 Lightrunning for 10 seconds for an etching agent with an intensity of ≥ 800 mW/cm<sup>2</sup>.

16 Dry the dentin with a dry cloth.

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