



US

INSTRUCTIONS FOR USE

MultiMatch™ Flow

Chameleon Antimicrobial Composite

Indications For Use:

- Direct restorations in all cavity classes (I-V)
- Base / liner under direct restoration
- Veneering of discolored anterior teeth
- Splinting of mobile teeth
- Extended pit and fissure sealing in molars and premolars
- Repair of composite/ceramic veneers
- Retention of thermoplastic aligners

The addition of anti-microbial particles to MultiMatch™ Flow Chameleon Antimicrobial Composite reduces demineralization and the total amount of bacteria at the material surface, which are part of the caries-formation process.

Description of Device:

Premier's MultiMatch™ Flow Chameleon Antimicrobial Composite is a low viscosity, light-cured, radiopaque, flowable nano-hybrid composite. It is for use in direct Class I-V restorations as a base liner, indirect restorations, and for retention of clear aligners. The restorative has an antimicrobial additive which reduces demineralization and total amount of bacteria at the material surface. The restorative is available in one chameleon shade to fit a variety of tooth-colored shades.

Contraindications:

Do not use MultiMatch Flow on patients with known allergies to the materials of this product.

Do not place or restore tooth with MultiMatch Flow if you cannot achieve isolation and / or apply the bonding agent correctly.

PRECAUTIONS:

- Ensure that all existing restorative materials are removed from the operative site if replacing a restoration.
- Avoid contamination of product. Do not mix components with those of other materials. Do not return dispensed components to their original container. Dispose of leftover material properly.
- Wear personal protective equipment when using and handling this product.
- Ensure that the tooth is free of debris, materials, or stains that may interfere with application process.
- A rubber dam is recommended to be used to isolate the oral cavity.
- Composite Syringes:
 - Use a protective plastic sheath barrier on the syringe in order to mitigate potential cross-contamination between patients.
 - When using syringe after dispensing on the pad cover before use to prevent unintended polymerization.

WARNINGS:

- Do not light-cure MultiMatch Flow less than the

recommended curing times.

- Do not apply MultiMatch Flow onto tooth unless a bonding agent is first applied.
- Do not apply MultiMatch Flow in greater than 2mm increments.
- For use by a trained dental professional only.
- Avoid contact with skin, eyes, and soft tissues.
- Do not use after the shelf life period indicated on product labeling/packaging.

Adverse Reactions:

- If an allergic reaction to MultiMatch Flow material occurs, discontinue its use immediately and consult a physician.
- Restoration may fail if bonding agent is not applied, or curing times are not met, or if MultiMatch Flow is applied in greater than 2mm increments.
- If an incident or serious incident has occurred in relation to the device, please report the incident to the manufacturer.

Contents:

SKU	Description	Contents
3005230	Standard Pack	2 x 2.3g syringes 20 applicator tips

Accessories:

SKU	Description	Contents
3005235	Refill Applicator Tips	100 18 gauge tips

Materials:

Product Composition, % WT: Bis-GMA < 20%; Comonomer diluents < 20%; Photoinitiators < 2%; Pigments < 0.2%; Dental glass filler < 70%; Fumed silica < 5%; bioactive antimicrobial silica-based additive < 5%. The particle size of the fillers range: <6 µm. None of the ingredients in the product contain pharmacologically active components.

Directions for Use:

1. Wear personal protection equipment when handling MultiMatch Flow.
2. **Cleaning** - Thoroughly clean the tooth surface of debris, materials, or stains.
3. **Isolation** - Isolate the tooth with preferred isolation method and prepare the tooth.
4. **Pulp Protection** – A base or liner can be used to protect the pulp. DO NOT USE EUGENOL-BASED MATERIALS to protect the pulp as these materials will inhibit curing. MultiMatch Flow is not indicated for direct pulp capping.
5. **Bonding treatment** - For bonding to enamel and/or dentin, use a light-cured bonding system. Follow manufacturers' instructions regarding etching, priming, adhesive application and curing.

Technology in partnership with BJM Laboratories, Ltd.

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6. Dispensing - MultiMatch Flow can be delivered directly from the applicator tip or indirectly filled with an instrument after extruding the paste on a mixing pad.

If delivering directly: Prepare the syringe by removing the syringe cap (save the syringe cap) and twisting the disposable applicator tip securely onto the syringe.

To prevent syringes from getting contaminated use a protective plastic sheath barrier (e.g. Sleeve-It®) on the syringe.

After use, the applicator tip must be discarded and replaced with a syringe cap for storage.

If delivering using a dental instrument: Slowly extrude material onto a pad. Use your instrument(s) of choice to apply to the restorative area.

7. Placement - Apply composite layers up to 2mm in thickness

8. Curing - Cure each incremental layer of 2mm. MultiMatch Flow is designed to be cured with either a halogen or LED curing-light with a wavelength of 400-500 nm.

See below for recommended curing times.

Light Type	Intensity (mW/cm ²)	Cure Time (Sec)
LED	1000 – 1500	10
	Below 1000	20
Halogen	Above 1000	20

For incremental depth of 2mm

9. Finishing - Adjust occlusion as needed. Complete the finishing and polishing using Premier's Solo Diamond® or Priva Rotary Instruments™ and Poli-Pro Disk™ composite polishing system or your preferred system.

Cleaning and Disinfection:

To prevent syringes from getting contaminated use a protective plastic sheath barrier (e.g. Sleeve-It®) on the syringe.

After using the syringe in the protective sleeve, remove the sleeve carefully so that there is no contamination of the syringe from the outer surface of the protective sleeve.

After removing the protective sleeve and applicator tip, wipe the syringe with a disinfecting wipe (e.g. CaviWipes™) for the recommended contact time on the wipe label.

Discard the used protective sleeve along with the applicator tip.

Discard used applicator tip and sleeves in appropriate waste

stream. Replace with syringe cap for storage.

Do not reuse if syringe becomes contaminated. Dispose of the syringe immediately.

Storage:

- Replace the syringe cap after each use to prevent material from hardening within the syringe. Keep product in original packaging.
- Product shall be stored at temperatures between: 10 - 24°C (50 - 75°F).
- If stored in refrigerator, allow product to reach room temperature prior to use.
- Strong at ambient temperatures routinely higher than 26°C/79°F may reduce shelf life.
- Avoid direct exposure to light and heat.

Shelf Life:

- MultiMatch Flow has an expiration date of 2 years (24 months) from the date of manufacturing.
- Do not use after product has expired. See expiry date on the product label.

Disposal:












For disposal, always follow federal or laws applicable to the jurisdiction.

For Further Information:

To obtain SDS or IFU, visit premierdentalco.com or call Premier at 610-239-6000.

Symbols:

A full explanation of symbols used on Premier® Dental packaging and literature is located at premierdentalco.com/symbol-glossary

Symbols	Symbol Meaning
	Part Number
	Expiry Date
	Date and Country of Manufacture
	Manufacturer
	Batch number
	Caution: See instructions for use
	The upper and lower limits of temperature of use, storage and transportation
	Irritant: An immediate skin, eye or respiratory tract irritant
Rx ONLY	CAUTION: U.S. Federal law restricts this device to sale by or on the order of a physician
	Consult instructions for use
	Keep away from sunlight
	Single Use

In vitro multi-species studies have shown MultiMatch™ Flow Chameleon Antimicrobial Composite's ability to act on the following organisms:¹

- Streptococcus mutans (GP)
- Streptococcus oralis (GP)
- Actinomyces naeslundii (GP)
- Veillonella dispar (GN)
- Fusobacterium nucleatum (GN)
- Candida albicans (Fungus)

¹™CaviWipes is a trademark of Metrex Research, LLC. / 1. Data on file.