

1. Product Description

PrestoMed Nano Hybrid Composite is a visible light-cured, radiopaque, highly filled restorative material designed for use in both anterior and posterior teeth. It provides excellent aesthetics, strength, and durability for dental restorations.

2. Composition

PrestoMed Nano Hybrid Composite consists of:

- Bisphenol A Glycidyl Methacrylate (Bis-GMA)
- Urethane Dimethacrylate (UDMA)
- Triethylene Glycol Dimethacrylate (TEGDMA)

3. Indications for Use

PrestoMed Nano Hybrid Composite is indicated for:

- Direct restorations of **Class I, II, III, IV, and V cavities**
- Restorations in both **anterior and posterior teeth**
- Preventive resin restorations
- Repair of existing **composite or ceramic restorations/veneers**

4. Instructions for Use

4.1 Tooth Preparation

- Clean the tooth and adjacent surfaces using a brush and prophylaxis paste.
- Select the appropriate shade using a standard shade guide.
- Prepare the cavity using a conservative technique.
- Ensure removal of all previous restorative materials (e.g., amalgam, base materials).

4.2 Pulp Protection (if required)

- In deep cavities, apply a suitable **light-cure calcium hydroxide liner** near the pulp.

4.3 Etching

- Apply **37% phosphoric acid etchant gel** to enamel and dentin for **15–20 seconds**.
- Rinse thoroughly with water for at least **10 seconds**.
- Gently air dry or blot dry; avoid overdrying dentin.

4.4 Bonding

- Apply a dentin bonding agent evenly over the cavity using a disposable applicator.

- Allow it to sit for **20 seconds**.
- Gently air dry for at least **5 seconds** to evaporate solvent and achieve a glossy surface.
- Light cure for **20–30 seconds** using a standard curing light.

4.5 Placement of Composite

- Dispense PrestoMed composite onto a mixing pad.
- Place the material into the cavity using a suitable instrument.
- Build the restoration in **increments of up to 2 mm thickness**.
- Light cure each increment for **40 seconds**.
- Release syringe pressure after dispensing by turning the plunger slightly anticlockwise.

4.6 Finishing and Polishing

- Shape and contour the restoration using standard techniques.
- Polish the surface to achieve a smooth finish.
- Apply a protective surface coating (if recommended).

5. Contraindications

- Do not use in patients with known **allergy to methacrylate resins.**

6. Warnings

- Avoid contact with **skin and eyes**.
- May cause **irritation or allergic reactions**.
- Do not ingest or inhale vapors.
- In case of contact:

- o **Skin:** Clean immediately with alcohol and wash with soap and water

- o **Eyes:** Rinse thoroughly and seek medical advice
 - Discontinue use if any allergic reaction occurs.

7. Precautions

- Do not use with **eugenol-containing materials** as they may interfere with polymerization.
- Protect from **heat and direct light exposure**.
- Always close the syringe cap properly after use.

8. Storage Conditions

- Store at **10°C to 24°C**
- Keep in a **cool, dry place away from moisture and sunlight**

9. Shelf Life

- **3 years** from the date of manufacture
- Shelf life remains unaffected after opening if stored properly

10. Presentation

- 2 x 4g Syringe

Manufactured in India by:



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