

TECHNICAL DATA SHEET

Product Name: MARMOPOXY- PLUS

Registered Office:

MARMO SOLUTIONS PVT. LTD.

(AN ISO 9001:2015 CERTIFIED COMPANY)

MUMBAI: 47A, Ground And First Floor, Parmar
Compound, Highway Road, Vile Parle East,
Mumbai – 400099

DELHI : WHS, 1/18, 2nd Floor Kirti Nagar, Near
Richi Rich, New Delhi - 110015

Customer No: +91 11 40586081

Web.: www.marmosolutions.com

For any query/feedback

E-Mail: info@marmosolutions.com

CIN : U74140DL2013PTC252178

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Office hours: Monday to Saturday (10AM-6PM)



1. Product Description:

Marmopoxy-plus is a specially formulated, low-viscosity hybrid epoxy (2:1) designed for filling cracks, pits, and pinholes in light-colored stones. Its UV-stabilized composition ensures long-lasting clarity and prevents yellowing, making it ideal for applications where aesthetic preservation is crucial.

Manufactured by:

ANAV INDUSTRIES

Address: Khewat No. 1358/1151,

Khatoni No. 1461, Main NH-9, Near Toll Plaza, Village

Rohad, Dis. Jhajjar, Haryana-124501

Marketed By/ Exporter:

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2. Product Features:

- **Low Viscosity:** Easily penetrates fine cracks, pits, and pinholes, ensuring a smooth and even finish.
- **UV-Stabilized:** Specifically formulated to resist yellowing, maintaining clarity and colour stability in light-colored stones.
- **High Strength:** Provides excellent mechanical properties, ensuring long-lasting durability in filled areas.
- **Versatile Use:** Suitable for various types of light-colored stones, including marble and limestone.
- **Excellent Adhesion:** Bonds strongly to stone surfaces for optimal performance.
- **Durable:** Offers resistance to wear and environmental factors.

MARBLE & TILE SOLUTION PRODUCTS

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3. Technical Specifications:

- **Component Type:** Two-component hybrid epoxy system
- **Mixing Ratio:** 2:1 (Resin: Hardener by weight)
- **Viscosity:** Low viscosity for optimal penetration
- **Pot Life:** 30 minutes at 25°C
- **Initial Cure Time:** 6 hours at 25°C
- **Full Cure Time:** 24 hours at 25°C
- **Shore D Hardness:** ≥ 75
- **Bond Strength:** $\geq 3.5 \text{ N/mm}^2$ (on stone surfaces)
- **UV Resistance:** Excellent, minimal yellowing over time
- **Elongation at Break:** $\geq 10\%$
- **Service Temperature Range:** -10°C to +80°C
- **Chemical Resistance:** Resistant to water, mild acids, and alkalis
- **Shelf Life:** 12 months in original, unopened packaging
- **Packaging:** Available in 1 KG Resin + 0.5 KG Hardener

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4. Application

- **Crack Filling:** Ideal for filling fine cracks in light-colored stones.
- **Pinhole and Pit Repair:** Perfect for restoring surfaces with small imperfections, such as pinholes or pits.
- **Stone Repair in Interior and Exterior Applications:** Suitable for both indoor and outdoor stone repair, providing UV resistance and longevity.

5. Application Guidelines:

1. Surface Preparation:

- Ensure the stone surface is clean, dry, and free from dust, oil, and contaminants.
- Clean cracks, pits, and pinholes thoroughly before application.

2. Mixing Instructions:

- Mix Marmopoxy-Plus resin and hardener in a 2:1 ratio by volume.
- Stir the mixture thoroughly for 2-3 min to ensure a consistent blend.

3. Application:

- Apply the mixed Marmopoxy-Plus into cracks, pits, or pinholes using a spatula or trowel.
- Ensure the material is fully spread into the gaps for complete filling.
- For larger cracks or deeper pits, apply in layers to ensure optimal bonding and coverage.

4. Curing:

- Allow the product to cure for 12 hours before light foot traffic use.
- Full mechanical strength is achieved after 24 hours.

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6.DO'S & DON'TS

• DO'S

- Ensure the stone surface is clean, dry, and free from dust, oil, and contaminants before application.
- Clean cracks, pits, and pinholes thoroughly before filling.
- Stir the mixture for about 2–3 minutes to obtain a uniform blend.
 - Use the mixture within the recommended pot life (about 30 minutes).
- Apply the mixed epoxy into cracks, pits, or pinholes using a spatula or trowel.
- For deeper cracks or pits, apply the product in layers to achieve proper bonding.
- Allow the repair area to cure for about 12 hours before light foot traffic use.
- Allow 24 hours for full mechanical strength.

• DON'TS

- Do not apply on wet, damp, or contaminated surfaces.
- Do not apply excessively thick layers in one application.
- Do not disturb the filled area before the initial curing time.
- Do not expose the repaired surface to heavy loads before full curing.

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7. Storage and Handling:

- **Storage:** Store in a cool, dry place between +5°C and +25°C. Keep the product sealed and away from direct sunlight.
- **Handling:** Use protective gloves and eyewear. Ensure good ventilation during application in enclosed areas.

Health and Safety:

- **Precautionary Measures:** Avoid contact with skin and eyes. In case of contact, rinse thoroughly with water and seek medical attention if irritation occurs.
- **Disposal:** Dispose of the product in accordance with local regulations.

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