

TECHNICAL DATA SHEET

Product Name:MARMOPOXY-ECO

Manufacturer :

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:

MARMO SOLUTIONS PVT. LTD.

Office Address :

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

1. Product Description:

Marmopoxy-Eco is a two-component, 2:1 ratio low viscosity epoxy designed for filling pits and cracks in all types of stone (except white marble). Its economical formulation makes it ideal for large-scale and commercial projects, providing excellent bonding and strength.



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Product Features:

- **Low Viscosity:** Low viscosity consistency for deep penetration into cracks, holes and pits.
- **Slight Yellowing Over Time:** Ideal for use on colored stones where slight yellowing is not a concern.
- **Excellent Bond Strength:** Provides high mechanical strength and strong adhesion to stone surfaces.
- **Versatile:** Suitable for various colored stones but not recommended for white marble.
- **Economical:** Formulated to offer cost-effective solutions for large commercial and industrial projects.

Applications:

- **Crack Filling:** Ideal for repairing pits and cracks in colored stones.
- **Pinhole and Pit Repair:** Effective in filling surface imperfections like pinholes and pits.
- **Stone Restoration:** Suitable for both interior and exterior applications, providing long-lasting durability.



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Technical Specifications:

- **Component Type:** Two-component epoxy system
- **Mixing Ratio:** 2:1 (Resin: Hardener by weight)
- **Viscosity:** low viscosity, water-like consistency
- **Pot Life:** 30-40 minutes at 25°C
- **Initial Cure Time:** 10-12 hours at 25°C
- **Full Cure Time:** 24 hours at 25°C
- **Shore D Hardness:** ≥ 75
- **Bond Strength:** ≥ 3 N/mm² (on stone surfaces)
- **Elongation at Break:** ≥ 5 %
- **UV Resistance:** Moderate (slight yellowing over time)
- **Service Temperature Range:** -10°C to +70°C
- **Chemical Resistance:** Resistant to chemicals, water, and alkalis
- **Shelf Life:** 12 months in original, unopened packaging
- **Packaging:** Available in 1 KG Resin + 0.5 KG Hardener
2 KG Resin + 1 KG Hardener sets



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Application Guidelines:

1. Surface Preparation:

- Clean the surface to be treated, ensuring it is dry and free of dust, oil, and contaminants.
- Use suitable cleaning agents to prepare the surface for optimal adhesion.

2. Mixing Instructions:

- Mix the resin and hardener in a 2:1 ratio by weight.
- Stir 3-4 min thoroughly to ensure a homogenous mixture.

3. Application:

- Apply the mixed Marmopoxy-Eco into the cracks, pits, or pinholes using a brush or small spatula.
- Ensure the product flows evenly into the defects, filling them completely.
- For larger cracks, apply in layers to ensure full coverage and optimal bonding.

4. Curing:

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



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Storage and Handling:

- **Storage:** Store in a cool, dry place between +5°C and +25°C. Keep the product sealed and protected from direct sunlight.
- **Handling:** Use appropriate personal protective equipment, including gloves and eyewear. Ensure proper ventilation when using in enclosed spaces.

Health and Safety:

- **Precautionary Measures:** Avoid skin and eye contact. In case of contact, rinse thoroughly with water and seek medical attention if needed.
- **Disposal:** Dispose of any unused product and packaging in accordance with local environmental regulations.

