

## **TECHNICAL DATA SHEET**

**Product Name:MARMOPOXY-ECOGEL**

**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 :

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 - 110 015

Tel. No: +91 11 40586081

Website: [www.marmosolutions.com](http://www.marmosolutions.com)

E-Mail ID: [info@marmosolutions.com](mailto:info@marmosolutions.com)

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

### **1. Product Description:**

Marmopoxy-Ecogel is a two-component, 1:1 ratio thixotropic epoxy designed for filling joints 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:**

- **1:1 Mixing Ratio:** Easy-to-use two-component system with a 1:1 mix ratio for resin and hardener.
- **Thixotropic Consistency:** Designed for vertical and horizontal applications without sagging.
- **High Bond Strength:** Provides excellent adhesion to stone surfaces, ensuring long-lasting durability.
- **Economical:** Formulated to offer cost-effective solutions for large commercial and industrial projects.
- **Durable:** Excellent resistance to wear and mechanical stress.
- **Slight Yellowing Over Time:** Ideal for use on colored stones where slight yellowing is not a concern.

### **Applications:**

- **Joint and Crack Filler:** Suitable for filling joints and cracks in natural and engineered stones.
- **Large Format Stone Installations:** Ideal for large commercial projects where cost and performance are key.
- **Vertical and Horizontal Applications:** Perfect for both floor and wall stone installations.



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### **Technical Specifications:**

- **Component Type:** Two-component epoxy system
- **Mixing Ratio:** 1:1 (Resin: Hardener by weight)
- **Consistency:** Thixotropic gel
- **Pot Life:** 30-45 minutes at 25°C
- **Initial Cure Time:** 6 hours at 25°C
- **Full Cure Time:** 24 hours at 25°C
- **Shore D Hardness:** ≥ 75-80
- **Bond Strength:** ≥ 4 N/mm<sup>2</sup> (on stone surfaces)
- **Elongation at Break:** ≥ 5%
- **Service Temperature Range:** -10°C to +80°C
- **Chemical Resistance:** Resistant to water, oils, mild acids, and alkalis
- **Shelf Life:** 12 months in original, unopened packaging
- **Packaging:** Available in 1 KG resin + 1 KG hardener sets



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### **Application Guidelines:**

#### **1. Surface Preparation:**

- Clean the surface thoroughly, removing all dust, grease, oils, and loose materials.
- Ensure the substrate is dry and free from any contaminants that may affect adhesion.

#### **2. Mixing Instructions:**

- Mix Marmopoxy-Ecogel in the specified 1:1 ratio (1 parts resin, 1 part hardener) by weight.
- Stir the mixture thoroughly using a mechanical mixer for 2-3 minutes to achieve a homogeneous blend.
- Use the mixed material within the pot life of 45-60 minutes.

#### **3. Application:**

- Apply Marmopoxy-Ecogel using a spatula or trowel.
- Ensure the material is pressed into joints or cracks, filling them completely.
- For vertical applications, the thixotropic nature of the product prevents sagging.

#### **4. Curing:**

- Allow the applied product to cure for at least 12 hours before subjecting it to any loads or further treatments.
- Full mechanical strength will be 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 away from direct sunlight and moisture.
- **Handling:** Wear protective gloves, clothing, and eye protection when handling the product. In case of skin or eye contact, rinse immediately with plenty of water.

### **Health and Safety:**

- Refer to the product's Safety Data Sheet (SDS) for complete safety instructions.
- Ensure proper ventilation during application and curing. Avoid inhalation of vapors.
- Dispose of leftover material and packaging according to local environmental regulations.

