

## TECHNICAL DATA SHEET

**Product Name: MARMOFLEX-GROUT**

**Manufacturer :**

ANAV INDUSTRIES

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Marketed By/ Exporter:

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### 1. Product Description:

Marmoflex-GROUT is a two-component, high-performance mineral grout, enhanced with a latex resin additive to improve flexibility, adhesion, and water resistance. It is specially formulated for filling grout joints ranging from 2mm to 15mm in width. Marmoflex-GROUT is designed for both indoor and outdoor applications, providing excellent color stability, durability, and resistance to cracking and shrinkage.



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### **Technical Information:**

- **Component A:** Mineral fillers and special additives.
- **Component B:** Polymer latex additive to enhance flexibility and adhesion.
- **Color Availability:** Wide range of colors (custom colors available on request).
- **Mixing Ratio:** 4 Part Powder : 1 Part Liquid
- **Component A (Powder):** 25kg bag.
- **Component B (Latex):** 5L container.
- **Joint Width:** Suitable for grout joints between 2mm and 15mm.
- **Consistency:** Smooth, creamy paste after mixing.
- **Density:** 1.9–2.1 g/cm<sup>3</sup> (mixed).
- **Working Time:** Approximately 45 minutes at 20°C.
- **Application Temperature:** Between 5°C and 35°C.
- **Water Absorption:** ≤ 5% after 30 minutes.
- **Compressive Strength:** ≥ 15 N/mm<sup>2</sup> after 28 days.
- **Flexural Strength:** ≥ 3 N/mm<sup>2</sup> after 28 days.
- **Shrinkage:** No shrinkage.
- **Curing Time:**
- **Initial setting:** 3–4 hours.
- **Final setting:** 24 hours.
- **Packaging:**
- Component A (Powder): 4kg bag
- Component B (Latex): 1L container



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### **Advantages:**

- Suitable for wide joints from 2mm to 15mm.
- Latex-enhanced for superior flexibility and adhesion.
- Excellent color stability and UV resistance.
- Suitable for both interior and exterior applications.
- Ideal for use in wet areas.

### **Performance Characteristics:**

- **Flexibility:** The latex component ensures excellent flexibility, making it ideal for areas subject to movement and thermal expansion.
- **Water Resistance:** Marmoflex-Grout offers superior water resistance, making it suitable for use in wet areas such as bathrooms, kitchens, and swimming pools.
- **Chemical Resistance:** High resistance to household cleaning chemicals and mild acids.
- **Durability:** Excellent long-term durability and resistance to cracking, powdering, and fading.
- **UV Stability:** UV-stable, ensuring no color degradation in outdoor applications.



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### **Application Guidelines:**

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

- Ensure all joints are clean, free of dust, debris, and any traces of adhesive.
- Moisten the joints with clean water, avoiding excess water.

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

- Pour the liquid latex (Component B) into a clean mixing container.
- Gradually add the powder (Component A) while stirring.
- Mix for 3-5 minutes using a mechanical mixer at low speed until a smooth, homogenous paste is obtained.

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

- Apply Marmoflex-Grout using a rubber float or grout trowel.
- Spread the grout diagonally across the joints, ensuring full penetration into the grooves.
  - Remove excess grout from the surface before it dries, using the edge of the float or a damp sponge.

#### **4. Cleaning:**

- After initial setting (approximately 15-30 minutes), clean the tile surface with a damp sponge in a circular motion.
- Avoid excess water during cleaning, as it may cause color variations in the grout.

#### **5. Curing:**

- Allow the grout to cure for 24 hours before light foot traffic.
- For full mechanical strength, allow 7 days of curing.



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### **Storage and Handling:**

- **Storage Conditions:** Store in a cool, dry place at temperatures between 10°C and 30°C.
- **Shelf Life:** 12 months in unopened containers.

### **Safety Precautions:**

- Avoid direct contact with skin and eyes.
- Use in a well-ventilated area.
- Refer to the Safety Data Sheet (SDS) for detailed handling information.

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### **Limitations:**

- Not suitable for metal or flexible expansion joints.
- Avoid applying in temperatures below 5°C or above 35°C.
- Ensure proper cleaning during the grout's initial setting time to prevent surface haze.

