MARMO SOLUTIONS
MARBLE & TILE SOLUTION PRODUCTS



TECHNICAL DATA SHEET

Product Name: MARMOFLEX-GROUT

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
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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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2. Product Specifications:

- **Component A:** Mineral fillers and special additives
- **Component B:** Polymer latex additive to enhance flexibility and adhesion
- **Color** Availability: Wide range of colours (custom colors available on request)
- **Mixing Ratio: 4 Part Powder :** 1 Part Liquid
- **Component A (Powder):** 4 Kg bag
- **Component B (Latex):** 1 Kg container
- **Joint Width:** Suitable for grout joints between 2mm and 15mm
- **Consistency:** Smooth, creamy paste after mixing
- **Density:** 1.9-2.1 g/cm³ (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/mm² after 28 days
- **Flexural Strength:** ≥ 3 N/mm² after 28 days
- **Shrinkage:** No shrinkage
- **Curing Time:**
- **Initial setting:** 3-4 hours
- **Final setting:** 24 hours

Packaging:

- **Component A (Powder):** 4 Kg bag
- **Component B (Latex):** 1 Kg container

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3. 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

4. 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 (Apply Marmo Impregnator for better results).

• **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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5. 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.

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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6.DO'S & DON'TS

- **DO'S**
- Do ensure all joints are clean, dust-free, and free from adhesive residues before grouting.
- Do use a low-speed mechanical mixer to achieve a smooth, homogeneous paste.
- Do use the mixed grout within its 45-minute working time.
- Do a clean tile surface after initial setting (15–30 minutes) using a damp sponge.
- Do allow a minimum of 24 hours before light foot traffic.
- Do allow 7 days curing for full mechanical strength.

- **DON'TS**
- Do not remix or re-temper grout once it begins to set.
- Do not apply over uncured adhesive.
- Do not mix different batches of powder without dry blending (may cause shade variation).

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7.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.

- **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.

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