

## **TECHNICAL DATA SHEET**

**Product Name: MARMOFLEX**

**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:**

Marmoflex is a premium, cement-based, polymer-modified adhesive classified as C1TE under EN 12004 standards and T2 under IS:15477:2019. It is formulated for the installation of medium format ceramic, porcelain, and natural stone tiles in both interior and exterior environments. Marmoflex offers enhanced bonding strength, excellent flexibility, extended open time, and slip resistance, making it ideal for challenging installations, including vertical applications.



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### **Product Features:**

- **Cement-Based Polymer-Modified Adhesive:** Ensures high adhesion and flexibility.
- **C1TE and T2 Classification:** High-performance adhesive with improved bonding strength, extended open time, and slip resistance.
- **Slip Resistance:** Suitable for vertical applications, minimizing tile slippage during installation.
- **Extended Open Time:** Allows for easier handling and tile adjustment during application.
- **Water and Heat Resistant:** Ideal for wet areas such as bathrooms and kitchens, and capable of withstanding temperature changes.
- **Strong Shear Strength:** Provides excellent performance in high-stress applications, including heavy tiles and exterior facades.
- **Tile Installation:** Suitable for ceramic, porcelain, vitrified, and natural stone tiles.
- **Interior and Exterior Use:** Can be used on both walls and floors, indoors and outdoors.
- **Wet Areas:** Ideal for bathrooms, kitchens, swimming pools, and other moisture-prone areas.





Marble & Tile Solution Products

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### Technical Specifications:

- **Classification:** C1TE (EN 12004) and T2 (IS:15477:2019)
- **Component Type:** Cement-based, polymer-modified
- **Color:** Gray or white
- **Mixing Ratio:** Approx. 4.5 – 5 liters of  $\leq 200$ tds water per 20 KG bag
- **Open Time:** 30 minutes
- **Pot Life:** 4 - 5 hours at 25°C
- **Adjustability Time:** Up to 40 minutes
- **Application Temperature:** +5°C to +35°C
- **Slip Resistance:**  $\leq 0.5$  mm
- **Initial Bond Strength:**  $\geq 1.0$  N/mm<sup>2</sup> (after 28 days)
- **Bond Strength after Water Immersion:**  $\geq 1.0$  N/mm<sup>2</sup>
- **Bond Strength after Heat Aging:**  $\geq 1.0$  N/mm<sup>2</sup>
- **Bond Strength after Freeze-Thaw Cycles:**  $\geq 1.0$  N/mm<sup>2</sup>
- **Crack Bridging Ability:** Up to 1.5 mm
- **Coverage:** 1.3 kg/m<sup>2</sup> per mm thickness (approx. 4-6 kg/m<sup>2</sup> depending on tile size and substrate)
- **Shelf Life:** 12 months in original, unopened packaging
- **Packaging:** 20 KG bags

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For any query/feedback  
E-Mail: [info@marmosolutions.com](mailto:info@marmosolutions.com)

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### **Application Guidelines:**

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

- Ensure the substrate is structurally sound, clean, and free from dust, grease, or loose materials.
- Pre-dampen absorbent surfaces before applying Marmoflex, but avoid leaving standing water.

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

- Add approximately 4.5–5 liters of clean  $\leq 200$ ts water to a 20 KG bag of Marmoflex adhesive.
- Mix with a mechanical mixer until a smooth, homogenous consistency is achieved.
- Allow the mixture to rest for 5 minutes and then re-stir before use.

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

- Use a notched trowel to spread the adhesive evenly on the substrate.
- Press tiles firmly into the adhesive, ensuring proper bonding within the open time of 40 minutes.
- For large format tiles or heavy stone, back-buttering may be necessary for full adhesion.
- Adjust tiles within the adjustability time of 40 minutes.

#### **4. Grouting:**

- Allow 24 hours of curing time before grouting. Ensure proper joint width for movement accommodation.



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### **Storage and Handling:**

- **Storage:** Store in a cool, dry place away from moisture. Keep the packaging sealed when not in use.
- **Handling:** Wear protective gloves and goggles while handling the product. In case of skin or eye contact, rinse thoroughly with clean water. If inhaled, move to fresh air and seek medical attention if necessary.

### **Health and Safety:**

Refer to the product's Safety Data Sheet (SDS) for detailed information on safe handling practices, disposal, and health precautions. Follow local regulations regarding product handling and disposal.

