



## TECHNICAL DATA SHEET

**Product Name: MARMOSTIC-T**

**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 (10 AM- 6 PM)

### 1. Product Description:

**MARMOSTIC-T is a hybrid, two-component, R2T under (EN 12004), T5S2 (IS:15477:2019) and ANSI A118.15 standards, flexible resin-based thixotropic adhesive designed for critical applications. It provides high-performance bonding with excellent mechanical strength and flexibility, making it ideal for vertical and overhead installations in challenging environments.**

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## 2. Features and Benefits:

- **High Strength Bonding:** Superior adhesion to a wide range of surfaces, including natural stone, concrete, metal, and ceramic.
- **Flexible:** Absorbs movement and vibration, ensuring long-lasting performance.
- **Thixotropic:** Ideal for vertical and overhead applications, preventing sagging during installation.
- **Waterproof:** Suitable for both interior and exterior applications, including damp environments.
- **Chemical Resistant:** Resistant to chemicals, solvents, and aggressive substances.
- **Fast Curing:** Quick setting to reduce downtime.
- **Non-shrinkage:** Guarantees dimensional stability during curing.
- **Ideal for Diverse Surfaces:** Works well on boards, metal, masonry surfaces, and other critical substrates.

## 3. Application Areas:

- Suitable for vertical and overhead installations.
- Can be used in wet areas, such as bathrooms, kitchens, and swimming pools.
- Ideal for fixing natural stone, marble, granite, and large-format tiles.
- Designed for interior and exterior critical applications.
- Suitable for metal bonding, boards, and masonry surfaces.
- Recommended mixing ratio of 4:1 for optimal performance on boards, metal, and masonry surfaces.

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## 4. Technical Data:

- **Type:** Hybrid Resin-based Thixotropic Adhesive
- **Components:** Two-component (Resin & Hardener)
- **Classification:** R2T (EN 12004-1:2017), 5TS2(IS:15477:2019) and ANSI A118.15
- **Consistency:** Thixotropic paste
- **Colour:** White
- **Mixing Ratio:** 4:1 (Resin: Hardener)
- **Working Time:** 45 minutes at 25°C
- **Pot Life:** Approx. 45-60 minutes
- **Open Time:** ≥ 20 minutes at 25°C
- **Application Temperature:** +5°C to +35°C
- **Initial Cure:** 4-6 hours
- **Full Cure:** 24-48 hours
  - **Tensile Adhesion**
    - a) **Dry Condition:** ≥ 2.0 N/mm<sup>2</sup>
  - **Shear Adhesion**
    - a) **Dry Condition:** ≥ 6.0 N/mm<sup>2</sup>
    - b) **Heat Ageing:** ≥ 3.0 N/mm<sup>2</sup>
- **Deformability (S2):** ≥ 5 mm
- **Chemical Resistance:** Excellent
- **Shrinkage:** No shrinkage

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## 5. Application Guidelines:

### 1. Surface Preparation:

Ensure the substrate is clean, free from dust, grease, and loose particles.  
The surface should be dry, sound, and even for optimal adhesion.

### 2. Mixing:

- Mix Component A (Resin) and Component B (Hardener) in a 4:1 ratio for metal, boards, and masonry surfaces.
- Stir thoroughly until a uniform, homogenous paste is achieved.
- Do not mix more than what can be used within the pot life (approx. 45-60 minutes).

### 3. Application:

- Using a notched trowel, apply the mixed adhesive onto the substrate or stone.
- Ensure both surfaces are covered for maximum bonding strength.
- For vertical and overhead applications, apply the adhesive generously to prevent sagging.

### 4. Fixing:

- Press the material firmly into place, ensuring complete contact with the adhesive.
- For critical installations, use mechanical aids like clamps or anchors to support the stone until the adhesive has cured.

### 5. Curing:

- Initial curing occurs in 4-6 hours. Adjustments cannot be made after this time.
- Full curing takes 24-48 hours for the adhesive to reach its optimal strength

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## 6.DO'S & DON'TS

### • DO'S

- Substrate must be sound, clean, dry, and properly cured.
- Do mix Component A and Component B strictly in the 4:1 ratio as specified.
- Do mechanically mix until a uniform, streak-free homogeneous paste is achieved.
- Do use temporary supports or spacers for heavy stones until the initial set is achieved, especially overhead.
- Do roughen smooth metal or non-porous surfaces to improve the mechanical key.
- Do fix stone/ tiles within the open time of the adhesive to achieve proper bonding.
- Do allow adequate curing time before grouting or allowing foot traffic.
- Application conditions must comply with recommended temperature and site conditions.
- Verify the stone's translucency before application.
- Use the entire bucket at a time once opened. Do not store it for later use.

### • DON'TS

- Do not use on uneven or weak substrates; level and repair the surface before application.
- Do not mix with water or add cement, sand, lime, or any other additives to the adhesive.
- Do not apply on wet, damp, or uncured surfaces.
- Do not re-temper or remix material once pot life has expired.
- Do not apply adhesive beyond its open time; discard material that has started to skin or dry.
- Do not allow foot traffic or grouting before the recommended curing time.
- Do not apply adhesive in spot bonding.

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## 7.Storage and Handling:

- **Shelf Life:** 12 months in original, unopened packaging.
- **Storage Conditions:** Store in a cool, dry place, away from direct sunlight and moisture. Protect from freezing temperatures.

## Health & Safety:

- Always wear appropriate protective clothing, gloves, and goggles when handling the product.
- Ensure good ventilation during application.
- In case of contact with skin or eyes, rinse immediately with plenty of clean water.
- For further details, refer to the Safety Data Sheet (SDS).

## Packaging:

- Component A (Resin): Available in 8 kg and 4 kg containers.
- Component B (Hardener): Available in 2 kg and 1 kg containers.

## Disposal:

- Dispose of product according to local regulations. Do not dispose of in water or soil.

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