

TECHNICAL DATA SHEET

Product Name: MARMOSTIC-T

Manufacturer :

ANAV INDUSTRIES

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1. Product Description:

MARMOSTIC-T is a hybrid, two-component, R2T under (EN 12004) and T5S2 (IS:15477:2019) 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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Features & 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.

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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Technical Data:

- **Type:** Hybrid Resin-based Thixotropic Adhesive
- **Components:** Two-component (Resin & Hardener)
- **Classification:** R2T (EN 12004-1:2017) T5 (IS:15477:2019)
- **Consistency:** Thixotropic paste
- **Color:** White
- **Mixing Ratio:** 4:1 for metal, boards, and masonry surfaces
- **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
- **Bond Strength (Dry Condition):** >2.0N/mm² (EN 12004) (IS:15477:2019)
- **Bond Strength (Wet Condition):** >1.5N/mm² (EN 12004) (IS:15477:2019)
- **Deformability (S2):** >5mm
- **Chemical Resistance:** Excellent
- **Shrinkage:** No shrinkage



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Application Method:

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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Storage & Shelf Life:

- **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.

