

TECHNICAL DATA SHEET

Product Name: MARMOFLEX SLURRYBOND



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

DELHI : WHS, 1/18, 2nd Floor Kirti Nagar, Near
Richi Rich, New Delhi - 110015

Customer No: +91 11 40586081

Web.: www.marmosolutions.com

For any query/feedback

E-Mail: info@marmosolutions.com

CIN : U74140DL2013PTC252178

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Office hours: Monday to Saturday (10AM-6PM)

1. Product Description:

Marmoslurry-Bond is a cement-based slurry adhesive designed for the traditional installation of marble, tiles, and natural stone onto freshly laid screed or mortar. This adhesive is ideal for wet-on-wet applications, allowing for strong bonding between the tile and substrate. It ensures excellent adhesion, high durability, and ease of application, making it perfect for large-scale installations where speed and performance are key.

Manufactured by:

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:

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2. Product Features:

- **Cement-Based Polymer-Modified Adhesive:** Ensures high adhesion and flexibility.
- **EN: C2E and IS: Type- 2T Classification:** High-performance adhesive with improved bonding strength, extended open time.
- **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.
- **Deformability:** Enhanced flexibility to accommodate substrate movement without compromising tile adhesion.
- **Strong Shear Strength:** Provides excellent performance in high-stress applications, including heavy tiles in interior & exterior.
- **Durability in Freeze-Thaw Conditions:** Suitable for exterior applications exposed to thermal variations and freezing conditions.
- **Tile Installation:** Suitable for ceramic tiles and stones.

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3. Technical Specifications:

- **Classification:** C2E (EN 12004) and 2T (IS:15477:2019)
- **Component Type:** Cement-based, polymer-modified adhesive
- **Color:** Grey or white
- **Mixing Ratio:** Approx. 9.0-10 litres of water per 20 KG bag
- **Open Time:** ≥ 30 minutes
- **Pot Life:** 4 - 5 hours at 25°C
- **Adjustability Time:** Up to 30 minutes
- **Initial Bond Strength:** ≥ 1.0 N/mm² (after 28 days)
- **Bond Strength after Water Immersion:** ≥ 1.0 N/mm²
- **Bond Strength after Heat Aging:** ≥ 1.0 N/mm²
- **Bond Strength after Freeze-Thaw Cycles:** ≥ 1.0 N/mm²
- **Coverage:** 1.3 kg/m² per mm thickness (approx. 4-6 kg/m², depending on tile size and substrate)
- **Shelf Life:** 12 months in original, unopened packaging
- **Packaging:** 20 KG bags

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4. Application Instructions

1. Surface Preparation:

- Clean the existing RCC or cement surface thoroughly, ensuring it is free from dust, grease, or loose debris.
- Apply a coat of Marmobond-Coat to the cleaned surface to enhance the bond between old concrete and the fresh mortar.

2. Mortar Application:

- Prepare a fresh mortar mix using a 1:4 ratio of cement to sand or ready mixer with water (Marmoscreed).
- Spread the mortar evenly over the Marmobond-Coat surface using a spreader or trowel.
- Level the mortar to the desired thickness to create a smooth substrate for the tile installation.

3. Mixing Marmoflex Slurrybond:

- In a clean container, mix a 20 KG bag of Marmoslurry-Bond with 9-10 litres of clean water.
- Use a mechanical mixer to achieve a smooth and lump-free slurry consistency.

4. Application of Slurry:

- Pour the freshly prepared slurry of Marmoflex Slurrybond directly over the wet mortar surface (wet-on-wet application).
- Spread the slurry evenly using a 3mm trowel to ensure complete coverage of the mortar bed.

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4. Application Instructions

5. Tile Installation:

- Place the tiles directly onto the slurry-coated mortar while it is still wet.
- Use a rubber hammer or vibrator to press and align the tiles properly for strong bonding.
- For large-format tiles or marble, apply buttering (a thin layer of Marmoflex Slurrybond) to the back of the tiles to enhance the bond strength.

6. Curing Time:

- Allow the adhesive to cure for 24 hours before allowing light foot traffic.
Full curing will take place in 7 days, after which the floor can handle heavy loads.

7. Final Adjustments:

- Ensure proper alignment and spacing of tiles before the adhesive sets. Adjustments can be made within the open time (Upto 30 mins).

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5.DO'S & DON'TS

• DO'S

- Ensure the RCC or cement substrate is clean and free from dust, grease, and loose particles before application.
- Prepare a fresh mortar mix in a 1:4 ratio of cement to sand or ready mixer with water (Marmoscreed) before applying the slurry.
- Use a mechanical mixer to obtain a smooth, lump-free slurry consistency.
- Apply the slurry directly over the fresh mortar bed (wet-on-wet method).
- Spread the slurry evenly using a 3mm trowel to ensure full coverage.
- Install tiles or marble while the slurry and mortar are still wet.
- Use a vibrator to press and align the tiles properly.
- Allow the installation to cure for at least 24 hours before light foot traffic.
- Allow full curing for about 7 days before heavy loading.

• DON'TS

- Do not apply on dusty, oily, or contaminated surfaces.
- Do not install tiles after the slurry has started drying or losing workability.
- Do not apply excessively thick slurry layers.
- Do not store bags in humid conditions or in direct sunlight.
- Do not use material from damaged or previously opened bags.

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6. Storage and Handling:

- **Storage:** Store in a cool, dry place away from direct sunlight. Keep bags sealed when not in use.
- **Handling:** Wear protective gear such as gloves, goggles, and a dust mask during handling and application. In case of contact with skin or eyes, rinse immediately with water. If inhaled, move to fresh air and seek medical attention if necessary.

Health and Safety:

Consult the product's Safety Data Sheet (SDS) for comprehensive safety instructions. Dispose of product and packaging in accordance with local regulations.

MARBLE & TILE SOLUTION PRODUCTS

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