

TECHNICAL DATA SHEET

Product Name: MARMOCEM

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

E-Mail ID: info@marmosolutions.com

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



1. Product Description:

Marmocem is a high-performance, modified self-curing cement designed to replace conventional cement in plaster, PCC (Plain Cement Concrete), and screed applications. This advanced formulation accelerates project timelines by eliminating the need for water curing, offering fast setting times, and delivering enhanced strength and durability. Marmocem is ideal for use in projects where speed and performance are critical, such as large-scale construction or renovation.

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:

- **Self-Curing:** Very less water (3 Days) need for curing, reducing labor and water consumption.
- **Fast-Setting:** Accelerates project completion times, enabling quicker progress.
- **High Strength:** Provides excellent compressive and flexural strength compared to traditional cement.
- **Shrinkage Control:** Minimizes shrinkage cracks, ensuring durable and stable surfaces.
- **Improved Workability:** Easy to apply with good flow properties, suitable for large surface areas.
- **Versatile Application:** Suitable for plastering, PCC, screeding, and general construction work.

3. Applications:

- **Plaster:** Ideal for both internal and external plastering applications, reducing curing time and water usage.
- **PCC:** Suitable for Plain Cement Concrete applications in floors, foundations, and pavements.
- **Screed:** Perfect for fast-drying screeds, providing a smooth, level surface for flooring installations.
- **Repair Works:** Excellent for repair projects where fast application and curing are needed.

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4. Product Specifications:

- **Component Type:** Modified self-curing cement
- **Colour:** Grey
- **Packaging:** 20 KG bag
- **Compressive Strength (7 days) (1 MC:4S):** ≥ 25 N/mm²
- **Compressive Strength (28 days)(1 MC:4S):** ≥ 40 N/mm²
- **Flexural Strength:** ≥ 5 N/mm² (after 28 days)
- **Initial Setting Time:** 12-24 hours at 25°C
- **Final Setting Time:** 3-4 days at 25°C
- **Workability Time:** 2 - 4 hours at 25°C
- **Shrinkage:** <0.1%
- **Mixing Ratio:** 20 KG bag + 80 KG quartz sand +with 25 litres of water
- **Coverage:** Approx. 1.3 kg/m² per mm thickness
- **Shelf Life:** 12 months in original, unopened packaging

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5. Application Guidelines:

1. Surface Preparation:

- Ensure the substrate is clean, dry, and free from any dust, oil, or loose particles.
- . Dampen absorbent surfaces to prevent excessive moisture absorption but avoid standing water.

2. Mixing Instructions:

- **In a clean container, mix:**
- 20 KG Marmocem
- 80 KG quartz sand
- 25 litres of water (TDS \leq 200 ppm)
- Use a mechanical mixer to ensure a consistent and lump-free mixture.
- Allow the mixture to rest for 5 minutes, then remix before application for optimal results.

3. Application:

- Apply the prepared Marmocem mixture directly over the surface coated with Marmobond-Coat.
- Use standard tools like trowels or spreaders to apply the mixture, ensuring an even and uniform layer.
- For plaster applications, use a thickness of 10-25 mm. For more thickness use second coat.
- For screeds, apply to the desired thickness and level the surface with a screed board.
- Ensure proper compaction for PCC applications to avoid voids and ensure strength.

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6.DO'S & DON'TS

• DO'S

- Do ensure the substrate is clean, sound, dust-free, oil-free, and structurally stable before application.
- Do use clean, well-graded sand and aggregates free from silt, clay, and organic impurities.
- Do follow the recommended mix proportion as specified for plaster, PCC, or screed applications.
- Do use clean potable water for mixing (TDS of water ≤ 200).
- Do allow adequate initial setting time before applying load or further finishing work.
- Do place and compact PCC/screed properly to eliminate air voids.
- Application conditions must comply with recommended temperature and site conditions.

• DON'TS

- Do not add conventional cement, lime, or other additives unless specified.
- Do not add extra water beyond the recommended ratio to improve workability.
- Do not use sea sand or aggregates containing high chloride/sulphate content.
- Do not re-temper mix once the initial setting has started.
- Do not subject the surface to heavy traffic before achieving sufficient strength.
- Do not store opened bags for extended periods; use the opened material immediately.

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7.Storage and Handling:

Storage and Handling:

- **Storage:**

Store in a cool, dry place, away from moisture and direct sunlight. Ensure bags are sealed properly when not in use.

- **Handling:**

Use appropriate protective equipment, including gloves, masks, and eye protection. In case of skin or eye contact, rinse thoroughly with water.

Health and Safety:

Refer to the product's Safety Data Sheet (SDS) for comprehensive safety information. Dispose of any leftover product and packaging in accordance with local regulations.

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