

TECHNICAL DATA SHEET

Product Name:MARMOCEM

Manufacturer :

ANAV INDUSTRIES

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Marketed By/ Exporter:

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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.



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Product Features:

- **Self-Curing:** No need for water 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.

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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Technical Specifications:

- **Component Type:** Modified self-curing cement
- **Color:** Grey
- **Compressive Strength (7 days) (1MC:4S):** ≥ 25 N/mm²
- **Compressive Strength (28 days)(1MC: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 liters of water
- **Coverage:** Approx. 1.3 kg/m² per mm thickness
- **Shelf Life:** 12 months in original, unopened packaging
- **Packaging:** 20 KG bag

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.



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2. Mixing Instructions:

- **In a clean container, mix:**
- 20 KG Marmocem
- 80 KG quartz sand
- 25 liters of water (TDS ≤ 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 10-20 mm.
- 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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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.

