ALSHOULA
PREMIUM CEMENT PLASTER

Factory-Preblended Cementitious Plastering Mortar

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1. Product Description

ALSHOULA PREMIUM CEMENT PLASTER is a factory-preblended cementitious dry mortar formulated for interior and exterior plastering applications.
It consists of Portland cement, carefully graded aggregates and performance-enhancing additives designed to provide good workability, adhesion and a consistent finish. Its formulation helps minimize shrinkage and reduce the risk of cracking when applied and cured under recommended conditions.
The product requires only the addition of clean water before application and is suitable as a base coat for subsequent wall finishing systems, including cementitious wall putty, decorative coatings and paint systems.

2. Areas of Application

- Interior and exterior wall plastering.
- Suitable for concrete blocks, clay bricks and other conventional masonry substrates.
- Application over cast-in-place concrete, subject to appropriate surface preparation and bonding treatment.
- Plastering of ceilings, subject to suitable application conditions and thickness limitations.
- Levelling and preparation of surfaces prior to applying wall putty, decorative finishes or paint systems.
- Manual application or mechanical spray application using compatible plastering equipment.

3. Features and Benefits

- Factory-Preblended Quality: Provides consistent material composition and reduces on-site batching variations.
- Good Workability: Provides a workable consistency for smooth application and levelling.
- Good Adhesion: Formulated to provide reliable bonding to properly prepared masonry and concrete substrates.
- Reduced Shrinkage: Designed to minimize shrinkage-related cracking under recommended application and curing conditions.
- Uniform Finish: Suitable for producing an even plaster base for subsequent finishing materials.
- Interior and Exterior Use: Suitable for both applications when applied under recommended site conditions.
- Application Versatility: Suitable for manual and compatible machine-spray application.

AT A GLANCE

PACKAGING	APPLICATION TEMPERATURE	SHELF LIFE
50 kg bags	+5°C to +35°C	12 months

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TECHNICAL DATA

4. Technical Specifications

Property	Typical Value
Product Type	Factory-Preblended Cementitious Plastering Mortar
Appearance	Grey Dry Powder
Base Material	Portland Cement, Graded Aggregates and Additives
Fresh Density	Approx. 1.95–2.10 kg/L
Mixing Water	Approx. 4.5–5.5 L per 50 kg bag
Application Thickness	10–20 mm per coat
Pot Life	Approx. 60–90 minutes at 25°C
Compressive Strength (28 Days)	Target ≥ 10.0 N/mm²
Flexural Strength (28 Days)	Target ≥ 2.5 N/mm²
Adhesion Strength (28 Days)	Target ≥ 0.5 N/mm²
Application Temperature	+5°C to +35°C
Initial Curing	After initial setting
Packaging	50 kg bags
Shelf Life	12 months

5. Coverage and Consumption

Material consumption depends on application thickness, substrate condition, surface profile and application method. Actual consumption should be determined through a site trial using the intended substrate and application thickness.

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APPLICATION GUIDE

6. Application Procedure

6.1 Surface Preparation

- Ensure the substrate is structurally sound, stable and free from dust, oil, grease, curing compounds, loose particles and other contaminants.
- Remove all weak or deteriorated material before application.
- Repair deep holes and significant surface defects using a suitable repair mortar before plastering.
- Pre-wet highly absorbent substrates with clean water to control excessive water absorption.
- The substrate should be in a saturated surface-dry condition, without standing water, before application.
- Smooth or low-absorption concrete surfaces require suitable mechanical preparation or an approved bonding treatment to ensure adequate adhesion.
- Allow any applied bonding treatment to reach the appropriate condition before plastering, in accordance with its technical instructions.

6.2 Mixing

- Add approximately 4.5–5.5 litres of clean water to a clean mixing container per 50 kg bag.
- Gradually add the dry powder while mixing continuously with a low-speed mechanical mixer.
- Mix at approximately 400–500 rpm for 3–5 minutes until a uniform, lump-free consistency is obtained.
- Allow the mixture to stand for approximately 3 minutes.
- Remix briefly before application.
- Adjust the water quantity within the recommended range according to the required consistency and site conditions.
- Do not add cement, sand or other materials unless specifically approved. Do not add additional water after the mortar has started to set.

6.3 Application

- Apply the mortar manually using a steel trowel or mechanically using compatible plaster-spraying equipment.
- Apply at a typical thickness of 10–20 mm per coat.
- Level the applied mortar using a straightedge or screed bar.
- Finish the surface using a suitable wooden or plastic float, depending on the required texture.
- For thicknesses exceeding 20 mm, apply the material in multiple layers.
- Allow the first layer to stiffen sufficiently and provide a suitable keyed surface before applying the subsequent layer.
- Avoid applying excessively thick layers in a single operation, as this may increase the risk of sagging and shrinkage cracking.

6.4 Curing

- Protect freshly applied plaster from direct sunlight, strong wind, excessive heat and rapid moisture loss.
- After initial setting, cure the plaster by lightly spraying clean water.
- Continue moist curing for at least 3 days, particularly in hot or dry weather.
- Avoid excessive water pressure that could damage the plaster surface.

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HANDLING & SUPPLY

7. Drying and Curing

Stage	Indicative Time
Initial Setting	Depends on site conditions
Moist Curing	At least 3 days
Subsequent Finishing	After sufficient drying and curing

8. Packaging and Storage

Packaging: 50 kg multi-layer paper bags.
Storage: Store in a cool, dry and covered area on elevated wooden pallets. Protect from moisture, rain and direct sunlight. Keep bags sealed until use.
Shelf Life: 12 months from the manufacturing date when stored in original unopened packaging.

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SAFETY & SUPPORT

9. Safety Precautions

Contains cement and may cause skin and eye irritation. Cement-based material becomes alkaline when mixed with water. Wear suitable protective gloves, safety goggles and a dust mask. Avoid inhalation of dust. In case of eye contact, rinse immediately with plenty of clean water and seek medical attention.

10. Important Notes

- Application surfaces must be properly prepared before plastering.
- Use the recommended water ratio to maintain consistent workability and performance.
- Do not apply to frozen, unstable or excessively wet substrates.
- Avoid application under extreme weather conditions or when rapid drying cannot be controlled.
- Application thickness should be controlled to minimize sagging and shrinkage cracking.
- For thick plaster applications, use multiple layers with appropriate surface preparation between coats.
- The product is a plastering mortar and is not intended for structural repair, waterproofing or treatment of active cracks.
- Movement and expansion joints in the substrate must be continued through the plaster layer and treated using an appropriate joint system.
- Conduct a preliminary application trial where substrate conditions or finishing requirements are uncertain.

11. Manufacturer Information

ALSHOULA ADHESIVES FACTORY
Jeddah, Kingdom of Saudi Arabia
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Disclaimer: The technical information provided in this document represents indicative product specifications based on formulation data and practical application experience. Declared performance values are subject to verification through laboratory testing. Application conditions, substrate characteristics and workmanship may affect final results.