



IS 1542:1992
Sand for Plaster



IS 1661:1972
Code of Practice for
Application of Cement
Plaster Finishes



ASTM C150
Standard
Specification for
Portland Cement



In-house
quality assurance
under
ISO 9001



WALL RENDER

TECHNICAL DATA SHEET



Excellent adhesion
to substrates



Low shrinkage



Crack resistant



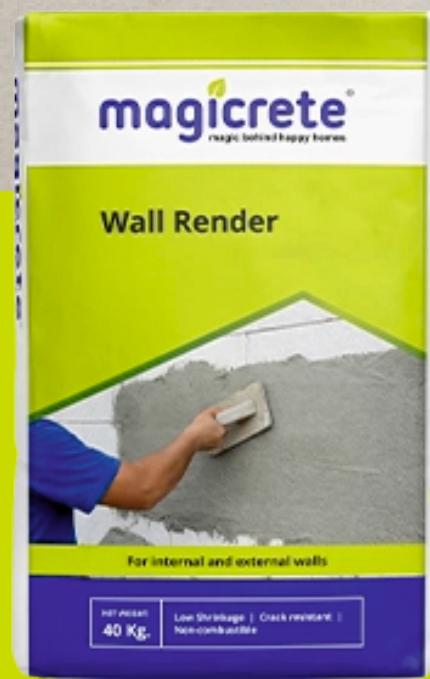
Non-combustible



Smooth finish



Fast and efficient
application with trowel



PRODUCT DESCRIPTION

Magicrete Wall Render is a **polymer-modified, cementitious dry mix render** specially formulated to provide a high-quality, even, and true surface finish over **brickwork, blockwork, and AAC blocks/panels**. It acts as a preparatory levelling base coat for subsequent finishing layers such as textures, paints, or protective coatings.

APPLICATION AREAS

- Internal and external walls of residential, commercial, and industrial projects.
- Substrates including AAC blocks, AAC panels, bricks, and concrete blockwork.
- Levelling base coat before application of paints, decorative coatings, or waterproof finishes.

PHYSICAL PROPERTIES

PARAMETERS	Value
Form	Free-flowing dry powder
Colour	Off-white/grey
Bulk Density	~1.55 – 1.65 g/cm ³
Mixing Ratio	20 kg powder : 3.5 – 4.0 L clean water
Workability	45-60 mins potlife
Recommended Thickness	4–6 mm (single coat), up to 12 mm in multi-coat
Coverage	~1.7 kg/m ² per mm thickness
Shelf Life	6 months in original sealed packaging
Packaging	40 kg bag

TECHNICAL PROPERTIES

PARAMETERS	Value
Workability	45–60 minutes pot life
Compressive Strength	> 10 MPa (28 days)
Water Retentivity	High, ensures proper hydration
Heat Resistance	Up to 60°C
VOC Content	< 10 g/L (meets Green Building standards)

USAGE INSTRUCTIONS

1. Surface Preparation

- Ensure substrate is clean, sound, free from dust, oil, or loose particles.
- Dampen excessively dry or porous surfaces before application.

2. Mixing

- Pour ~3.5 L clean water into a clean pail.
- Slowly add 20 kg Magicrete Wall Render powder while mixing with a mechanical stirrer.
- Mix for 3–5 minutes until lump-free, allow to stand for 2 minutes, then remix.
- Adjust with up to 0.5 L additional water if required.

3. Application

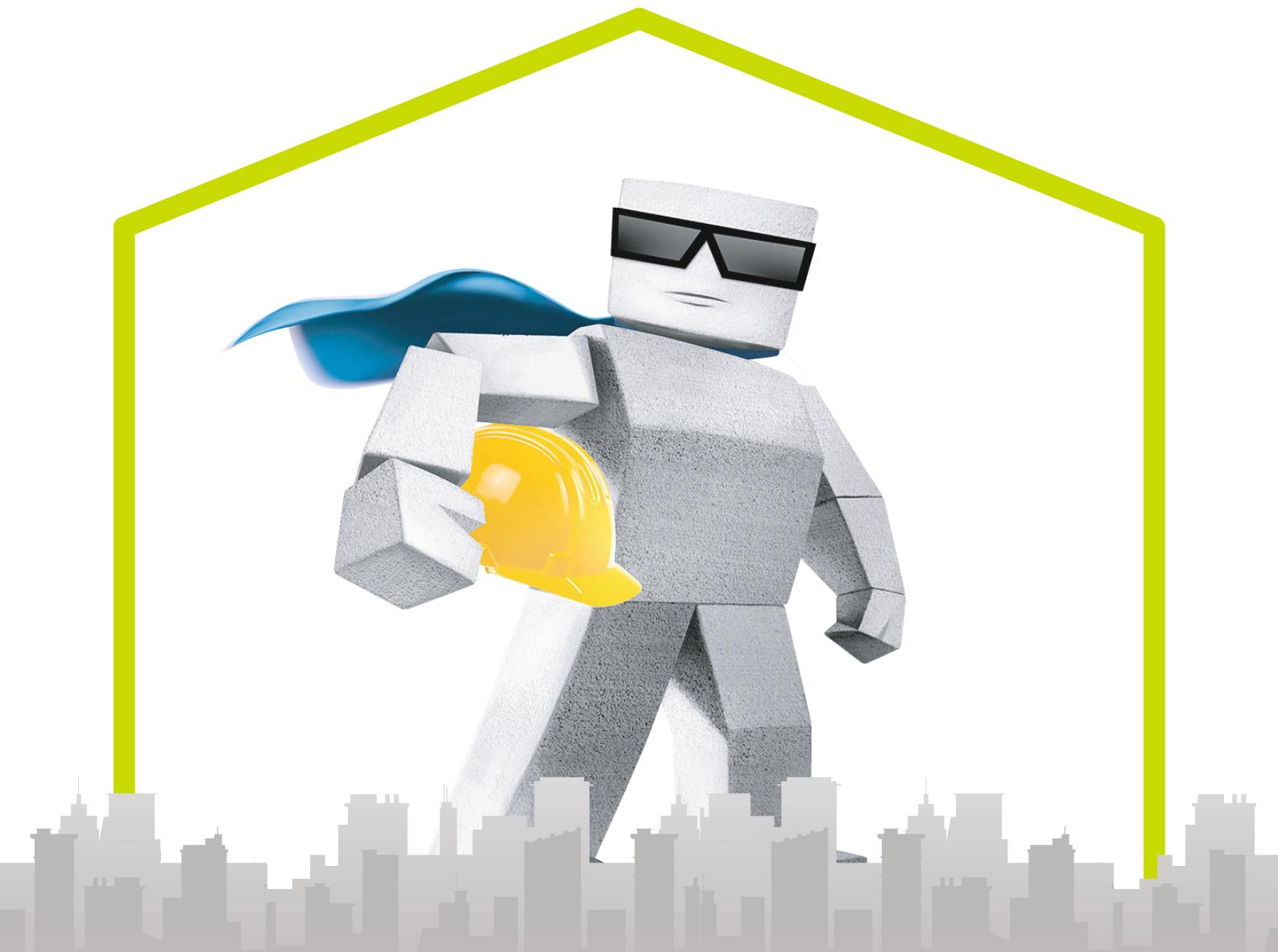
- Apply using **trowel in 2 passes wet-on-wet** (filling & levelling).
- Do not exceed 6 mm thickness per coat.
- Protect fresh render from rain, frost, or direct sun for at least 48 hours.

4. Curing

- Light water mist curing may be required in hot and windy conditions to prevent shrinkage cracks.

SAFETY PRECAUTIONS

- PPE Required:** Wear gloves, long sleeves, goggles, dust mask/respirator.
- Avoid inhalation of dust and direct skin/eye contact.
- In case of contact:
 - Eyes:** Rinse immediately with water for 15 minutes and seek medical advice.
 - Skin:** Wash with soap and water. Remove contaminated clothing.
 - Inhalation:** Move to fresh air, seek medical help if discomfort persists.
 - Ingestion:** Do not induce vomiting, rinse mouth, and seek medical advice.
- Keep out of reach of children.
- Dispose of contents/containers in accordance with local regulations.



Magicrete Building Solutions Pvt. Ltd.

(ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified co.)

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