

TECHNICAL DATA SHEET

HOMESURE GYPEX GOLD (With Fine Aggregates)

HomeSure GypEx GOLD (With Fine Aggregates) is a premium single-coat gypsum plaster specially designed for internal wall and ceiling applications on brickwork, blockwork, and concrete substrates. It provides a smooth, durable, hard, and high-quality base suitable for the direct application of decorative finishes on interior surfaces.

Formulated using high-purity retarded hemihydrate gypsum and performance-enhancing additives, HomeSure GypEx GOLD (With Fine Aggregates) offers excellent workability, superior adhesion, consistent setting characteristics, and an outstanding surface finish. The plaster requires only the addition of clean water at site, ensuring uniform quality, easy mixing, faster application, and reliable performance across a wide range of interior plastering applications.

The product eliminates the conventional two-step process of sand-cement plaster and POP punning, resulting in improved productivity, reduced application time, and significant savings in labour and material costs. HomeSure GypEx GOLD (With Fine Aggregates) delivers accurate wall alignment, minimal shrinkage, crack-resistant performance, and a ready-to-paint smooth finish, making it an ideal solution for modern interior construction projects.

TYPE A (PLASTER OF PARIS β -HEMIHYDRATE)

Standard Compliance

IS 2547 (Part I)-1976 for chemical characteristics

IS 2547 (Part II)-1976 for physical characteristics

FEATURES AND BENEFITS

- Smooth and uniform matt-finish surface
- Crack-resistant surface with no shrinkage cracks
- Lightweight plaster reducing structural load
- Excellent strength after complete drying
- No water curing required
- Economical and faster application
- Excellent workability and levelling properties
- Suitable for modern single coat plastering systems

TECHNICAL PARAMETERS

Chemical composition	:	Calcium Sulphate Hemihydrate: $\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$
Dry bulk density, kg/m^3	:	Max, 770
Wet bulk density, g/cm^3	:	1.50 ± 0.10
Water to powder ratio	:	1:1.4
Setting time, minutes	:	15 – 25

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GUIDANCE FOR APPLICATION

SUBSTRATES

- Brickwork
- Block
- Concrete surface

SUBSTRATE PREPARATION

- Surface should be dry, clean, structurally sound, and protected from weather exposure
- Ensure the substrate is free from dust, loose particles, oil, grease, paint residue, curing compounds, fungus, algae, moss, or any contaminants affecting adhesion
- Repair cracks, holes, damaged areas, and surface irregularities before plaster application
- Do not apply plaster on green backgrounds or surfaces with visible free water
- Sprinkle clean water on the substrate 5–10 minutes before plastering to control suction
- Smooth or low-suction concrete surfaces may require suitable bonding treatment prior to application

MIXING

- HomeSure GypEx GOLD (With Fine Aggregates) is pre-formulated with lightweight aggregates and special additives requiring only clean potable water at site
- Mixing should be carried out in clean trays, tubs, or mechanical mixers using clean tools and water
- Avoid excessive mechanical mixing as it may affect plaster performance
- Water-to-plaster ratio of approximately
1 part water: 1.4 parts plaster by weight
- Mix thoroughly to obtain a smooth, cohesive, and workable paste
- Prepare only the quantity that can be used within the workable time
- Do not add additional water once the plaster begins to set

APPLICATION

- Check wall alignment and verticality using suitable levelling tools before plaster application
- Apply plaster evenly with firm pressure on the prepared substrate
- Recommended application thickness is **6–15 mm in a single coat** on walls and ceilings.
- For thickness beyond the recommended range 25 mm on wall & 20 mm on ceiling, plaster should be applied in two coats.
- Apply additional coats only after proper stiffening of the previous layer
- As plaster stiffens, carry out levelling and finishing operations to achieve a smooth and uniform surface
- Allow the finished surface to dry completely before painting or decorative finishes
- Under normal conditions, drying time is approximately 72 hours depending on thickness and ambient weather conditions

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COVERAGE

24-26 Sq. Ft./ 25 Kg bag at 13 mm thickness on plain surface (or depending on substrate conditions)

USAGE PRECAUTIONS

- Do not add excess water beyond the recommended ratio
- Ensure all tools, containers, and mixing water are clean before use
- Contamination from previously mixed materials may reduce setting time and plaster strength
- Use 145–150 GSM glass fibre mesh at dissimilar joints to minimize cracks
- Not recommended for continuously damp, wet, or highly humid conditions
- Use appropriate safety equipment such as gloves, masks, and goggles during mixing and application
- Do not remix or retemper partially set material

PACKAGING & STORAGE

- Supplied in durable 25 Kg bags suitable for safe handling and pallet stacking
- Shelf life: 4 months from date of manufacture under proper storage conditions
- Store in dry, moisture-free, and normal temperature conditions
- Moisture absorption may cause lump formation, reduced shelf life, shortened setting time, and loss of product performance
- Avoid puncturing bags with hooks or sharp tools during handling

HEALTH & SAFETY INFORMATION

HomeSure GypEx GOLD (With Fine Aggregates) contains only eco-friendly material. Avoid direct contact with eyes and skin. In case of eye contact, wash immediately with clean water for at least 15 minutes and seek medical attention. Keep out of children's reach.