HOMESURE GYPEX
Gypsum Expert

WALPLAST PRODUCTS PRIVATE LIMITED ISO 9001:2015 CERTIFIED

Walplast

TECHNICAL DATA SHEET

GYPEX Gold



SUBSTRATES

- Bricks
- Blocks
- Sand cement surface
- RCC - with the use of bonding agent like **HomeSure GypEX Walbond**. (Internal surface)

HomeSure GypEX GOLD is a premium quality gypsum plaster specially formulated for high-quality internal finishing applications on brickwork, blockwork, mortar walls, and sand-cement plastered & (RCC surfaces using suitable bonding agents like t). It is ideal for punning plaster applications, bull marks, level strips, and achieving perfectly aligned smooth wall finishes. **HomeSure GypEX GOLD** Gypsum Plaster offers superior workability, lightweight performance, enhanced coverage, and ease of application.

TYPE A
IS 2547 (Part I)-1976
CHEMICAL CHARACTERISTICS

TYPE A
IS 2547 (Part II)-1976
PHYSICAL CHARACTERISTICS

FEATURES & BENEFITS

- Eliminates the two-step process of sand-cement plaster and POP punning
- Crack-resistant surface with no shrinkage cracks
- Reduce dead load on buildings as it is lighter than sand cement plaster
- Excellent strength after complete drying
- Thermal resistance R = 0.07m²K/W at 13 mm thickness
- No water curing required
- Economical and faster application
- Green Pro certified.

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TECHNICAL PARAMETERS

Chemical Composition	Calcium Sulphate Hemihydrate: CaS04. ½ H_2O
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 (water 70%±5%)
Setting time, minutes	15 – 25
Dry Adhesion after 28 days N/mm^2	≥0.30

SUBSTRATE PREPARATION



- Surface should be dry, clean, and protected from weather exposure
- Remove all loose particles, dust, grease, laitance, and foreign materials using wire brush, sandpaper, or light chipping as required
- Smooth or low-suction RCC/concrete surfaces should be treated with suitable bonding agents such as **HomeSure GypEX Walbond** before application
- Plaster should not be applied on green backgrounds or surfaces with visible free water
- Pre-wet the substrate with clean water 5–10 minutes before plaster application to control suction and improve adhesion, workability, and coverage
- Ensure the substrate is stable, levelled, and free from continuous dampness or seepage

MIXING



- **HomeSure GypEX GOLD** is a pre-formulated gypsum plaster requiring only the addition of clean potable water
- Mixing should be carried out in clean trays, tubs, or buckets using clean tools
- Gradually add plaster powder into water and mix manually or mechanically to obtain a smooth lump-free paste
- Water-to-plaster ratio of approximately **1 part water: 1.4 parts plaster by weight**
- Avoid excessive mechanical mixing as it may affect setting characteristics
- Prepare only the quantity that can be applied within the workable time
- Do not add additional water or dry material after setting has started

APPLICATION



- Install wooden battens, dhada, or levelling strips for accurate alignment and thickness control
- Apply **HomeSure GypEX GOLD** Gypsum Plaster evenly with firm pressure and build to the required thickness
- Recommended application thickness:
  - 6–15 mm in a single coat on wall with line and level finish and 3-10 mm on ceiling with level finish
  - Thickness above 15 mm should be applied in two coats
- For punning over sand-cement plaster, ensure proper substrate pre-wetting before application
- Apply the first coat evenly and lightly rake the surface where additional coats are required
- Fill hollows, compact the surface properly, and level using aluminium straight edge or levelling tools
- After initial stiffening, apply a thin slurry coat for final finishing to achieve a smooth matt-finish surface
- Allow the finished plaster to dry completely before painting or decorative finishes
- Under normal conditions, drying time is approximately 72 hours depending on thickness and ambient humidity

TILING



- Tiles up to 20 Kg/m^2 can be applied directly to **HomeSure GypEX GOLD**, except where the system includes a bonding agent
- Tiling directly to the background should be considered where suitable
- If plastering is done for tiling, avoid polishing the surface. Polished plaster surfaces should be roughened and treated with a suitable primer

COVERAGE

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

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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 Gypsum Plaster 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 reach of children.

PACKING

Available in 25 Kg bag



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Range of Products



A Walplast Product

Disclaimer: Technical information is based on knowledge and experience of accurate results. These results refer to the long-term application of the product in practice. Recommendations and suggestions are listed for guidance only. Since site conditions during the applications are beyond the manufacturer's control; hence it is also the responsibility of the end-user to ensure that the content in their possession is the latest case.

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