TECHNICAL DATA SHEET

GYPEX Platinum



SUITABLE SUBSTRATES

- Bricks
- Block
- Sand Cement Surface
- RCC
  Use bonding agent
  HomeSure **GYPEX Walbond.**
  (Internal surface)

HomeSure GypEx PLATINUM is a perlite based single coat gypsum plaster designed for application on a wide range of internal substrates such as brickwork, blockwork, and concrete surfaces (with the use of bonding agent like **HomeSure GypEx Walbond**). It provides an inert, smooth, high-quality, and durable base for the application of decorative finishes on internal walls and ceilings.

It is a lightweight, β-hemihydrate gypsum plaster, specially formulated with performance-enhancing additives and lightweight aggregates to ensure superior handling, enhanced workability, and ease of application. The product requires only the addition of clean water to prepare it for use, delivering consistent performance and excellent surface finish for modern interior plastering applications.

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
- Smooth matt-finish
- No shrinkage cracks
- Lightweight
- Thermal resistance R = 0.07m²K/W at 13 mm thickness
- Reduce dead load on buildings as it is lighter than sand cement plaster
- Green Pro certified
- No water curing required
- Naturally sound insulation
- Excellent strength after complete drying

HOMESURE GYPEX
Gypsum Expert

TECHNICAL PARAMETERS

Chemical Composition	Calcium Sulphate Hemihydrate: CaS04. ½ H_2O
Dry bulk density, Kg/m³	≤770 (IS 2547 Part II) Tested value: 698.5
Wet bulk density, g/cm³	1.25 ± 0.5
Water to powder ratio	1:1.50 (65±5% water)
Setting time, minutes	15 – 25
Dry Adhesion after 28 days N/mm²	≥0.30

SUBSTRATE PREPARATION



- Surface should be dry, clean, structurally sound, and protected from weather exposure prior to application
- Ensure the substrate is free from dust, loose particles, oil, grease, paint residue, curing compounds, fungus, algae, moss, or any contaminants affecting adhesion
- Any cracks, holes, uneven areas, or damaged portions should be repaired before plaster application
- Plaster should not be applied on “green” backgrounds or where free water is visible on the surface
- Clean water should be sprinkled on the substrate 5–10 minutes before plaster application to control suction (SSD Condition Required)
- Exceptionally smooth or low-suction concrete surfaces may require suitable bonding treatment prior to plastering

MIXING



- **HomeSure GypEx PLATINUM** pre-mixed with lightweight aggregates and special additives; only clean potable water is required at the site
- Mixing should be carried out in a clean tray, tub, or mechanical mixer using clean tools and water
- Excessive mechanical mixing should be avoided as it may affect plaster performance
- Maitain water-to-plaster ratio of approximately 1 part water: 1.5 (65±5% Water) parts plaster by weight to achieve a cohesive and workable mix
- Prepare only the quantity of plaster that can be used within the workable time
- Once the plaster begins to set, additional water should not be added, as it may adversely affect workability, adhesion, cohesiveness, and strength

APPLICATION



- Check wall alignment and surface verticality using suitable levelling tools before plaster application
- Apply the plaster with firm pressure on the prepared substrate and level evenly to the required thickness
- Recommended application thickness
  a) 6–15 mm in a single coat on wall with line and level finish and 3-10 mm on ceiling with level finish
  b) Thickness above 15 mm should be applied in two coats
- For thickness beyond the recommended range, plaster should be applied in two coats
- As the plaster stiffens, further levelling and surface finishing should be carried out to obtain a smooth and uniform finish
- The finished surface should be allowed to dry completely before commencement of painting or decorative finishes
- Under normal conditions, drying time is approximately 72 hours, depending upon thickness and ambient weather conditions

COVERAGE

24-26 Sq. Ft./ 25 Kg bag at 13 mm thickness on plain surface (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
- To minimize separation cracks at RCC and masonry junctions, use of 145 GSM glass fibre mesh is recommended

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- Not recommended for continuously damp, wet, or highly humid conditions
- Although the product contains non-toxic materials, use of appropriate safety equipment such as gloves, masks, and goggles is recommended during mixing and application

TILING

- Tiles up to 20 Kg/m² can be applied directly to **HomeSure GypEx PLATINUM**, 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

HEALTH & SAFETY INFORMATION

HomeSure GypEx PLATINUM contains only eco-friendly fillers and additives. In case of eye contact, kindly wash with clean water at least for 15 minutes and seek medical help and keep it out of children reach.

PACKAGING & STORAGE

- **HomeSure GypEx PLATINUM** is supplied in 25 Kg moisture-resistant bags designed for safe handling and stable pallet stacking
- Bags should be stored in a dry and covered area, protected from moisture, humidity, and direct contact with water
- Absorption of moisture may lead to lump formation, reduced shelf life, shortened setting time, and loss of product performance
- Avoid the use of hooks or sharp tools while handling bags to prevent damage and material loss

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.

Walplast Products Pvt. Ltd. ISO 9001: 2015 Certified Company
Plot No A, 246, Cross Road Number 18, T.T.C. Industrial Area, MIDC Industrial Area, Mahape, Navi Mumbai, Maharashtra-400 710.
www.walplast.com sales@walplast.com 1800 3000 6650.

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