TECHNICAL DATA SHEET

GYPEX Silver



SUBSTRATES

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



HomeSure GypEx SILVER is a premixed gypsum-based plaster specially designed for application on a wide range of internal backgrounds such as brickwork, blockwork, and concrete surfaces (with the use of bonding agent like **HomeSure GypEx Walbond**). It is suitable for applications including wall levelling, smooth finishing, surface correction, and level strips.

Formulated with high-quality additives, it offers excellent workability, controlled setting time, and reduced onsite material wastage. The plaster delivers a perfectly aligned, smooth, and crack-free surface with superior finish quality, making it suitable for painting and decorative finishes. It ensures faster application, lightweight performance, and enhanced productivity.

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

FEATURES & BENEFITS

- Naturally Sound Insulation
- No shrinkage cracks
- Green Pro certified
- Smooth and uniform finish suitable for direct painting
- Reduce dead load on buildings as it is lighter than sand cement plaster
- No water curing required
- Reduced onsite wastage
- Thermal resistance R = 0.07m²K/W at 13 mm thickness

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TECHNICAL PARAMETERS

Chemical Composition	Calcium Sulphate Hemihydrate: CaS04. ½ H_2O
Dry bulk density, Kg/m^3	890 ± 10
Wet bulk density, g/cm^3	1.45 ± 0.10
Water To powder ratio	1:1.8 (55% ±5% water)
Setting time, minutes	8 – 15
Dry Adhesion after 28 days N/mm^2	≥0.30

SUBSTRATE PREPARATION



- Ensure surfaces are clean, dry, sound, and protected from weather exposures
- Remove loose particles, dust, grease, oil, paint, and contaminants using sandpaper, putty blade, or wire brush
- Smooth or low-suction RCC surfaces should be treated with a suitable bonding agent before application
- Pre-wet the surface 5–10 minutes before plastering to control suction and improve adhesion and workability
- Do not apply on surfaces subjected to continuous dampness, seepage, or standing water

MIXING



- Use only clean potable water for mixing
- Always add gypsum plaster to water and not water to powder
- Maintain water-to-plaster ratio of approximately **1 part water: 1.80 parts plaster (by weight)**
- Mix thoroughly to obtain a smooth, lump-free, cohesive paste
- Use clean trays, buckets, and tools for mixing
- Prepare only the quantity that can be used immediately
- Do not add extra water or dry material after the mix starts setting

APPLICATION



- Install wooden battens/dhada or levelling strips for accurate alignment and thickness control
- Apply plaster with firm pressure and spread evenly over the surface
- First coat thickness should be approximately 10–13 mm
- Rake and cross-rake the surface before the initial set for better bonding of the finish coat
- Fill hollows and compact the surface properly
- Allow initial setting for approximately 5–10 minutes before applying the final finishing coat
- Level and smoothen the surface using an aluminium level patty
- After complete drying (72 hours depending on thickness and humidity), the surface becomes ready for painting

COVERAGE

18-20 Sq. Ft. per 25 Kg bag at 13 mm thickness (Coverage may vary depending on substrate conditions and surface level)

USAGE PRECAUTIONS



- Single coat thickness should not exceed 15 mm on wall and 8 mm on ceiling
- Use prepared mix immediately after mixing
- Do not remix or retemper partially set material
- Ensure proper pre-wetting and substrate levelling before application
- Use of 145 GSM glass fiber mesh is recommended at RCC and brick/block junctions to reduce separation cracks
- Not recommended for areas exposed to continuous seepage, prolonged dampness, or severe humidity
- Actual performance may vary depending on site temperature, humidity, water addition, and application conditions

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TILING

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

PACKAGING & STORAGE

- **HomeSure GypEx SILVER** is supplied in durable 25 Kg bags for easy handling and stable pallet stacking
- Store bags in a cool, dry, and moisture-free location
- Exposure to water or humidity may cause lump formation, reduce strength, and shorten setting time
- Avoid using hooks or sharp tools while handling bags
- Partially used bags should be properly sealed to prevent moisture absorption

HEALTH & SAFETY INFORMATION

HomeSure GypEx SILVER bag contains only eco-friendly material. However, it is advisable to avoid direct eye and skin contact with this. 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.

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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