HOMESURE GYPEX
Gypsum Expert

WALPLAST PRODUCTS PRIVATE LIMITED ISO 9001:2015 CERTIFIED

Walplast

TECHNICAL DATA SHEET

GYPEX Silver Plus

SUBSTRATES

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

HomeSure GypEx SILVER PLUS is a premium stucco gypsum 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 ideal for use as a punning plaster, for creating bull marks, level strips, and achieving perfectly aligned wall finishes.

It consists of high-quality gypsum hemihydrate formulated with specially engineered additives to enhance working and setting characteristics, improve workability, and provide excellent coverage. The product delivers a smooth, uniform, matt-finish surface with superior whiteness, ensuring an aesthetically refined appearance for interior walls and ceilings.

HomeSure GypEx SILVER PLUS gypsum Plaster offers easy application, minimal wastage, and excellent levelling properties, making it an ideal solution for high-quality internal dry plastering applications.

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

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

FEATURES & BENEFITS

- Naturally Sound Insulation
- No shrinkage cracks
- No water curing required
- Thermal resistance R = 0.07m²K/W at 13 mm thickness
- Green Pro certified
- Reduce dead load on buildings as it is lighter than sand cement plaster

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TECHNICAL PARAMETERS

Chemical Composition	Calcium Sulphate Hemihydrate: CaS04. ½ H_2O
Dry bulk density, Kg/m³	≤ 770 Test Value – 760.3
Wet bulk density, g/cm³	1.45 ± 0.5
Water To powder ratio	1:1.65 (60%±5% water)
Setting time, minutes	10 – 20
Dry Adhesion after 28 days N/mm²	≥0.30

SUBSTRATE PREPARATION

- Surfaces should be reasonably dry, clean, sound, and protected from weather exposure before plaster application
- Suitable substrates include internal brickwork, blockwork, RCC surfaces (with Walbond/Quickbond/Hacking treatment), and sand-cement plastered surfaces
- Remove all loose particles, dust, grease, oil, paint residue, curing compounds, or other contaminants using sandpaper, putty blade, or wire brush
- Plaster should not be applied on “green” backgrounds or where free water is visible on the surface
- Pre-wet the substrate with clean water 5–10 minutes before plaster application to control suction and improve workability and coverage
- Smooth or low-suction concrete surfaces should be treated with an appropriate bonding agent prior to application to ensure proper adhesion

MIXING

- **HomeSure GypEx SILVER PLUS** is a pre-formulated gypsum plaster requiring only the addition of clean water at site
- Mixing should be carried out in a clean tray, tub, or bucket using clean tools and potable water
- Add plaster powder into water gradually and mix manually or mechanically to obtain a uniform lump-free paste
- Maintain a water-to-plaster ratio of approximately **1 part water : 1.65 parts plaster (by weight)** for a cohesive and workable mix
- Excessive mechanical mixing should be avoided as it may affect setting characteristics and plaster performance
- Prepare only the quantity of material that can be applied within the workable time
- Once the mix has begun to set, additional water or dry material should not be added, as it may adversely affect workability, adhesion, cohesiveness, and strength

APPLICATION

- Install strips (dhada) or levelling strips to achieve accurate line and level before plaster application
- Apply **HomeSure GypEx SILVER PLUS** with firm pressure and build up 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 sand-cement plaster punning applications, the substrate should be properly pre-wetted to ensure strong bonding
- Apply the first coat evenly and rake the surface lightly before initial setting where additional coats are required
- Fill hollow areas, compact the surface, and level using an aluminium straight edge or levelling tool
- After initial stiffening, apply a thin slurry coat for final finishing to achieve a smooth, uniform, matt-finish surface
- The finished plaster surface should be allowed to dry completely before painting or decorative finishing
- Under normal conditions, drying time is approximately **72 hours**, depending upon thickness and ambient humidity conditions

TILING

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

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COVERAGE

Approximate coverage: **20–22 sq. ft. per 25 Kg bag at 13 mm** thickness, depending on substrate condition and surface evenness.

USAGE PRECAUTIONS

- Use the prepared material immediately after mixing for best performance
- Do not add excess water beyond the recommended ratio
- A single coat thickness should not exceed 15 mm on wall and 10mm on ceiling
- Ensure the substrate is properly levelled and pre-wetted before application
- Contamination from previous mixes or unclean tools may reduce setting time and plaster strength
- **HomeSure GypEx SILVER PLUS** should not be applied on surfaces subjected to continuous dampness, seepage, or high moisture conditions

PACKAGING & STORAGE

- Supplied in 25 Kg high-quality moisture-resistant bags suitable for safe handling and transportation
- Shelf life: 4 months from date of manufacture under proper storage conditions
- Store in dry, moisture-free, and normal temperature conditions
- Exposure to moisture may lead to lump formation, reduced shelf life, and shorter setting time
- Avoid puncturing bags with hooks or sharp tools during handling

HEALTH & SAFETY INFORMATION

HomeSure GypEx SILVER PLUS bag 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.

Walplast Products Pvt. Ltd. ISO 9001: 2015 Certified Company
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