



Plaster Gypsum Perlite

Light weight gypsum perlite plaster

Uses

- Internal plaster on block walls and rough surfaces.
- Plastering on fairfaced concrete and precast panels subsequent to Spatter Dash SB scratch coat.
- Improving thermal resistance properties as well as sound dampening.

Product Description

Plaster Gypsum Perlite is composed of a retarded gypsum, Perlite and selected aggregates with special additives. It is supplied as a dry powder in pre-weighed bags ready to use on site, which requires only addition of clean water to produce cohesive mix. Plaster Gypsum Perlite is a high quality product and provides as underlayment on various facets of the projects.

Advantages

- Factory controlled pre-blend ensures consistent high quality.
- Requires only addition of water on-site at the time of usage.
- Can be applied by plastering machine.
- Single coat application with improved workability.
- Easy application with uniform work flow enables high productivity & superior finishing.
- Strong adhesion on variety of substrates.
- Moderate sound reduction & Thermal insulation.
- Fair smooth finish can be achieved.
- Light weight plaster (half the normal sand/cement plaster).
- Asignificant more resistant to heat transmission than normal sand/cement plaster.

Design Criteria

Plaster Gypsum Perlite is designed to be used at thicknesses between 3 and 30 mm in a single application. The product can be applied on block walls without the need to use a scratch coat as long as the substrate is properly irrigated prior to application. In cases of fairfaced concrete; a scratch coat is needed to insure mechanical keying and enhanced bonding.

Technical Data

Plaster Gypsum Perlite	Typical Values @ 25°C
Appearance	White Powder
Density	1.08 Kg/Liter
Application Thickness	3 to 30 mm
Open Time	45 minutes
Setting Time	24 hours
Compressive Strength ASTM C472	> 3 N/mm ² @ 28 Days
Flexural Strength ASTM C472	> 0.5 N/mm ² @ 28 Days
Bond Strength EN 1015 - 12	> 0.4 N/mm ² @ 28 Days

Standards Compliance

- ASTM C472
- BSEN 13279

Usage Instructions

Surface Preparation

The surface should be sound, clean, free from loose material, grease, laitance, dirt curing compound, etc.

Prior to Plaster Gypsum Perlite application, wet the entire surfaces with clean potable water and allow to dry prior to Plaster Gypsum Perlite application.

Mixing

For manual mixing, add to the mixing container 10-12 litres of water for each 25 Kg bag of Plaster Gypsum Perlite. Add the powder to the water and mix with a mechanical plaster mixer or low speed electric drill fitted with a suitable paddle for 3-4 minutes, until a uniform, lump-free consistency is achieved.

Leave the mixed material to stand for 5 min and briefly remix without addition of water.

Manual mixing is allowed for small batch quantities and mix for approx. 1-2 min or when homogenous mix is achieved.

When required add 0.5 litres of Vetonit Bond 2 to the mixing water and adjust the water requirement accordingly for each 25 kg bag. Follow same mixing procedure as above.

Mixed material must be used within 30 minute. Do not add water once the mixed plaster mortar start to stiffen or harden.

Application

Plaster Gypsum Perlite is generally applied in a single coat method. Use directly on block walls & rough surfaces. On smooth concrete surfaces a Spatter Dash SB should be applied before applying Plaster Gypsum Perlite .

Apply mixed material using spray machine or trowel technique to cover the area to desired thickness. Lightweight leveling tools are required in conjunction with trowel to fill in holes.

When the plaster stiffens lightly, treat the surface to a smooth level to eliminate all traces of protrusions and undulations.

Let the plaster set for about 30 min., using wet sponge, wipe the surface to a creamy smooth finish.

Curing

Let the Plaster Gypsum Perlite to fully dry itself. Do not use water.

Paints & Coatings can be applied once the plaster has dried out completely, generally after 7 days.

Packaging & Coverage

Product	Pack Size	Consumption
Plaster Gypsum Perlite	25 Kg Bag or Bulk	1 Kg / m ² / mm

Shelf Life & Storage

Original sealed container of Plaster Gypsum Perlite has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 25°C.

Limitations

Do not mix with any additives or products, unless recommended by Saveto.

Make sure the substrate is suitable for plaster application. In case of doubt, try on sample area to assess its suitability.

Do not apply the product at temperature less than +5°C. During summer season the working area must be covered to prevent ill-effects from direct sun and also excessive air-draught during initial curing stage.

Health & Safety

Plaster Gypsum Perlite is alkaline, avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during application. Any skin contact should be wash with soap & water. In case of eyes irritation, immediately wash with copious amount of clean cold water. Seek medical advice.

For further information, please refer to material safety data sheet.

LEGAL DISCLAIMER

Saveto endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Saveto has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.