



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 the addition of clean water to produce a cohesive mix. Plaster Gypsum Perlite is a high-quality product and provides underlayment on various facets of the projects.

Advantages

- Factory controlled pre-blend ensures consistently high quality.
- Requires only the addition of water on-site at the time of usage.
- Applied by a plastering machine.
- Single coat application with improved workability.
- Easy application with uniform workflow enables high productivity & superior finishing.
- Strong adhesion on a variety of substrates.
- Moderate sound reduction & thermal insulation.
- A fair smooth finish can be achieved.
- Lightweight plaster.
- Significant resistance to heat transmission than normal sand/cement plaster.

Technical Data

Plaster Gypsum Perlite	Typical Values @ 25°C
Appearance	White Powder
Density	0.8 Approx.
Application Thickness (mm)	3 to 30
Setting Time (Hours)	2 -3
Compressive Strength @ 28 Days ASTM C472 (N/mm ²)	> 3
Flexural Strength @ 28 Days ASTM C472 (N/mm ²)	> 0.5
Bond Strength @ 28 Days EN 1015 - 12 (N/mm ²)	> 0.4

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.

Standards Compliance

- ASTM C28
- EN 13279-1

Usage Instructions

Surface Preparation

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

Before Plaster Gypsum Perlite application, wet the entire surfaces with clean potable water and dry before Plaster Gypsum Perlite application.

Mixing

For manual mixing, add to the mixing container 10-12 liters of water for each 25Kg 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 achieving a uniform, lump-free consistency.

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

Blend Plaster Gypsum Perlite manually for small quantities and maintain the correct amount of powder to water. Mix for approximately 1-2 minutes until achieving a homogeneous mix.

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

Use the mixed material within 30 minutes. Do not add water once the mixed plaster mortar starts to stiffen or harden.

Application

Apply Plaster Gypsum Perlite in a single coat method. Use directly on block walls & rough surfaces. On smooth concrete surfaces, apply Spatter Dash SB before applying Plaster Gypsum Perlite.

Apply mixed material using a spray machine or trowel technique to cover the area to the desired thickness. Use lightweight leveling tools in conjunction with a trowel to fill in holes.

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

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

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Curing

Let the Plaster Gypsum Perlite fully dry. Do not use water. Apply Paints & Coatings once the plaster dries out completely, generally after 7 days.

Cleaning

Clean tools with water before the mortar hardens. After the hardening, remove the residuals mechanically.

Packaging & Coverage

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

Stated consumption data are for general guidance. Actual consumption depends on the nature of the substrate, method of application, and wastage.

Shelf Life & Storage

The original sealed bag of Plaster Gypsum Perlite has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place, at temperatures between 5°C - 35°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 the sample area to assess its suitability.
- Do not apply the product at a temperature less than +5°C. During the summer season, cover the working area to prevent ill-effects from direct sun and excessive air-draught during the 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 eye irritation, immediately wash with a copious amount of clean cold water. Seek medical advice.

Plaster Gypsum is non-flammable.

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