

Monneli

Gypsum Perlite Plaster

Light weight gypsum perlite plaster

Product Description

Gypsum Perlite Plaster 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. Gypsum Perlite Plaster is a high quality product and provides as underlayment on various facets of the projects.

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.

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).
- ▶ A significant more resistant to heat transmission than normal sand/cement plaster.

Usage Instructions

Surface Preparation

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

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

Mixing

For manual mixing, add to the mixing container 10-12 litres of water for each 25 Kg bag of Gypsum Perlite Plaster. 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

Gypsum Perlite Plaster 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 Gypsum Perlite Plaster.

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.

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Curing

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

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

Technical Data

Category	Typical Values
Appearance	White Powder
Application Thickness	3 to 30 mm
Density	1.08 Kg/Liter
Pot Life	45 minutes
Setting Time	24 hours
Compressive Strength (ASTM C109/109 M)	≥ 3 N/mm ² @ 28 Days
Flexural Strength (ASTM C348)	≥ 0.5 N/mm ² @ 28 Days
Bond Strength (EN 1015-12)	≥ 0.4 N/mm ² @ 28 Days

All values are subject to 5-10% tolerance

Standards Compliance

- ▶ ASTM C472
- ▶ BSEN 13279

Consumption

Approximately 1 Kg/m²/mm

Packaging

Gypsum Perlite Plaster is supplied in 50 Kg bag or bulk sizes.

Shelf Life & Storage

Original sealed bags of Gypsum Perlite Plaster has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place.

Design Criteria

- ▶ Gypsum Perlite Plaster 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.

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

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