



Premix Plaster SF

Cementitious premixed plastering/rendering Material

Uses

- Internal & external plaster on block walls and rough surfaces.
- Plastering on fairfaced concrete and precast panels subsequent to Spatter Dash SB scratch coat.

Product Description

Premix Plaster SF is a cement based plastering material composed of hydraulic binders, natural sand, selected graded aggregates, special fibers, and special additives. It is supplied as a dry powder in bags/bulk ready to use on site, which requires only the addition of clean water to produce cohesive mortar. Premix Plaster SF is specially designed for application by spray machine and it can be used manually if required, and contains special shrinkage control additive and provides good adhesion with a uniform color surface. Premix Plaster SF can be applied at thicknesses ranging from 10mm to 25mm.

Advantages

- Fast mixing application using a spray machine.
- Contains special additive that reduces friction and prolongs the lifespan of the equipment.
- Factory controlled pre-blend ensures consistently high quality.
- Requires only the addition of water on-site at the time of usage.
- Uniform color/mass.
- Improved workability & curing.
- Easy application with uniform work flow enables high productivity & superior finishing.
- Strong adhesion on variety of substrates.
- Internal & external applications.
- Shrinkage control reduces surface cracks.
- Suitable for humid & dry conditions.

Design Criteria

Premix Plaster SF is designed to be used at thicknesses between 10 and 25 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 neutralized prior to application.

Technical Data

Premix Plaster SF	Typical Values @ 25°C
Appearance	Grey Powder
Maximum Aggregate Size	Up to 1.5mm
Wet Density	1.6 ± 0.1 Kg/Liter
Application Thickness	10 to 25 mm
Pot Life	60 to 90 minutes
Setting Time	3 - 5 hours
Compressive Strength ASTM C109	> 7.5 N/mm ² @ 28 Days
Flexural Strength ASTM C348	> 2 N/mm ² @ 28 Days
Bond Strength EN 1015 - 12	> 0.35 N/mm ² @ 28 Days

Standards Compliance

- ASTM C 926
- ASTM C 150
- BS EN 998 - 1: 2010

Usage Instructions

Surface Preparation

The substrate should be sound, clean, free from loose material, grease, laitance, dirt curing compound, or any other substance that might impair the quality of bond with the substrate.

Prior to the Premix Plaster SF application, damp the entire surfaces with clean potable water. The substrate should be neutralized surface at the time of the Premix Plaster SF application.

Mixing

Add to the mixing container 6.5-8.5 liters of water for each 50 Kg bag of Premix Plaster SF. 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.

For application using PFT plastering machine, the water flow rate is 350- 550 lit/hr depending on the status of the rubber pump. Mixed material should be used within 90 min.

Do not add water to the mix once the mixed mortar starts to harden.

Smooth Concrete Surfaces

Apply Spatter Dash SB prior to the application of Premix Plaster SF.

Application

Premix Plaster SF can be applied in single or multiple layers on rough surfaces. On smooth surfaces, it should be applied subsequent to the application of a spatter dash coat.

Rod or level to a uniform thickness when the plaster starts to set then follow smoothing the material to the desired appearance.

For multiple layers follow the practice in ASTM C926, 10 - 15 mm/layer with a rough finish, with curing for two days /layer prior application the second one, the final layer to be finished as desired.

After the surface appears stiff but still moist, follow the smoothing the material to achieve the desired appearance.

Curing

Premix Plaster SF is best cured by spraying water on its surface every 8-12 hrs for a minimum of 3 days. During hot & dry conditions allow curing for a minimum of 5 days. It will help to obtain high mechanical strengths and minimize the risk of surface cracks.

Packaging & Coverage

Product	Pack Size	Yield
Premix Plaster SF	50 Kg Bag or Bulk	31.25 Liters

Shelf Life & Storage

Original sealed container of Premix Plaster SF 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

Make sure the substrate is suitable for the application of Premix Plaster SF, in case of doubt, try on sample area to assess its suitability.

Do not apply the product under direct rain, extreme wind, and at temperatures below +5°C or above +45°C.

Tools should be cleaned with water before the mortar hardens. After the hardening, its residuals can be removed mechanically.

Health & Safety

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

Premix Plaster SF is non-flammable.

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

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