

# PLASTERS AND MASONRY



## 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.
- It contains a special additive that reduces friction and prolongs the lifespan of the equipment.
- Factory controlled pre-blend that 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 a 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 25mm in a single application. The product can be applied on block walls without using a scratch coat as long as the substrate is properly neutralized before application.

### Technical Data

Premix Plaster SF	Typical Values @ 25°C
Appearance	Grey Powder
Application Thickness (mm/layer)	10 - 15
Pot life (Hours)	2 Approx.
Setting Time (Hours)	3.5 - 4.5
Wet Density (Kg/L)	1.6 Approx.
Dry Bulk Density (Kg/L)	1.4 Approx.
Compressive Strength @ 28 day (EN 1015-11) (N/mm <sup>2</sup> )	> 7.0
Flexural Strength @ 28 day (EN 1015-11) (N/mm <sup>2</sup> )	> 2
Bond Strength @ 28 day EN 1015 - 12 (N/mm <sup>2</sup> )	> 0.35
Capillary Water Absorption (EN 1015-18) @ 0.5 min (kg/m <sup>2</sup> )	0.15
Thermal Conductivity (EN 1745) (W/mK)	0.47
Reaction to Fire (EN 13501-1)	CLASS A1

### Standards Compliance

- SASO EN 998-1, CSIV, Wc1
- ASTM C926

## 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 substrate's quality of the bond.

Before 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 - 9 liters of water for each 50Kg 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 achieving a uniform, lump-free consistency.

For PFT plastering machine application, the water flow rate should be 350- 550 lit/hr, depending on the rubber pump's status. Use the mixed material within 90 min.

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

### Smooth Concrete Surfaces

Apply Spatter Dash SB before the application of Premix Plaster SF.

### Application

Apply Premix Plaster SF in single or multiple layers on rough surfaces. On smooth surfaces, apply it after the application of a spatter dash coat.

When the plaster starts to set, rod or level to a uniform thickness, then smoothen the material to the desired appearance.

For multiple layers, follow the practice in ASTM C926, 10 - 15 mm/layer with a rough finish, curing for two days /layer before applying the second one. Finish the final layer as desired.

After the surface appears stiff but still moist, smoothen the material's surface to achieve the desired appearance.

### Curing

Cure Premix Plaster SF 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.

### Legal Disclaimer

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### Cleaning

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

## Packaging & Coverage

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

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

### Shelf Life & Storage

The original sealed bag 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

- Ensure the substrate is suitable for the application of Premix Plaster SF; in case of doubt, try on a sample area to assess its suitability.
- Do not apply the product under direct rain, extreme wind, and temperatures below +5°C or above +45°C.

### 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.

### Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.