



Premix Plaster S

Sprayable cementitious Premixed Plastering/Rendering Material

Uses

- Designed for spray application internally or externally in wet & dry conditions onto block walls & rough surfaces without the necessity of the prior application of a spatter dash coat.

Product Description

Premix Plaster S is a cement based plastering/rendering material composed of hydraulic binders, selected manufactured sand, aggregates, and special additives. It is supplied as a dry powder in bags/bulk ready to use on site, which requires only addition of clean water to produce cohesive mortar. Premix Plaster S 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 uniform colour surface.

Advantages

- Fast mixing application using spray machine
- Contains special additive that reduces friction and prolongs lifespan of equipment.
- Factory controlled pre-blend ensures consistent high quality.
- Requires only addition of water on-site at the time of usage.
- Uniform colour/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 S 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 soaked prior to application.

Technical Data

Premix Plaster S	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 in a single layer or up to 10 - 15 mm when multiple layers
Pot Life	60 to 90 minutes
Setting Time	3 - 5 hours
Compressive Strength ASTM C109	> 7 N/mm ² @ 28 Days
Flexural Strength ASTM C348	> 1.6 N/mm ² @ 28 Days
Bond Strength EN 1015 - 12	> 0.3 N/mm ² @ 28 Days

Standards Compliance

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

Usage Instructions

Surface Preparation

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

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

Mixing

Add to the mixing container 6.5 - 8.5 litres of water for each 50 Kg bag of Premix Plaster S. 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 plastering machine, the recommended water flow rate is 350 - 550 Ltr/hour depending of 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 S.

Application

Premix Plaster S can be applied in a single or multiple layers on rough or smooth surfaces using spray machine at thickness of 10 - 25 mm per layer. Apply a spatter dash coat on smooth surfaces.

Rod or level to uniform thickness of 10 - 25 mm. When the plaster starts to set, follow smoothing the material to a 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 a desired appearance.

Curing

Premix Plaster S is best cured by spraying water on the surfaces of applied materials every 8-12 hrs for minimum of 3 days. During hot & dry conditions allow curing for 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 S	50 Kg Bag or Bulk	31 Liters

Shelf Life & Storage

Original sealed container of Premix Plaster S 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 or contact a Saveto representative.

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

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

For further information contact our technical department.

Health & Safety

Premix Plaster S 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 eyes irritation, immediately wash with copious amount of clean cold water. Seek medical advice.

Premix Plaster S is non-flammable.

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.