

PLASTERS AND MASONRY



Premix Plaster S

Sprayable cementitious premixed plastering/rendering material

Uses

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

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 the addition of clean water to produce cohesive mortar. Premix Plaster S is specially designed for application by spray machine. It can be used manually if required, contains a special shrinkage control additive, and provides good adhesion with a uniform color surface.

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 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.

Technical Data

Premix Plaster S	Typical Values @ 25°C
Appearance	Grey Powder
Maximum Aggregate Size (mm)	Up to 1.4
Wet Density (Kg/L)	1.6 ± 0.1
Application Thickness (mm)	10 to 25 in a single layer or up to 10 - 15 when multiple layers
Pot Life (Minutes)	60 to 90
Setting Time (Hours)	3 - 5
Compressive Strength @ 28 Days (EN 1015-11) test method as per EN 998-1 standard specification (N/mm ²)	> 7
Flexural Strength @ 28 day ASTM C348 (N/mm ²)	> 1.6
Adhesion EN 1015 - 12 @ 28 Days (N/mm ²)	> 0.3
Capillary Water Absorption EN 1015-18 @ 0.5 min (kg/m ²)	≤ 0.40

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.

Standards Compliance

- ASTM C 926
- ASTM C 150
- SASO EN 998-1 , CLASS CSIV wc1

Usage Instructions

Surface Preparation

The substrate should be sound, clean, free from loose material, grease, laitance, dirt curing compound, etc. Before Premix Plaster S application, damp the entire surfaces with clean potable water, and the substrate should be neutralized surface at the time of the Premix Plaster S application.

Mixing

Add to the mixing container 6 - 8 liters of water for each 50Kg 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 achieving a uniform, lump-free consistency.

The recommended water flow rate is 350 - 550 Ltr/ hr for the applications that use a plastering machine, 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 prior to the application of Premix Plaster S.

Application

Apply Premix Plaster S on rough or smooth surfaces using a spray machine at a thickness of 10 - 25mm per layer. Apply a Spatter Dash coat on smooth surfaces.

Rod or level to a uniform thickness.

When the plaster starts to set, level the material to the desired appearance using suitable plastering trowels.

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

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

Curing

Cure Premix Plaster S by spraying water on the surfaces of applied materials every 8-12 hrs for a minimum.

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 following any advice, specification, recommendation, or information given by us. Saveto has the right to change any of the technical datasheets specifications upon its discretion without prior notification.

Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Cleaning

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

Packaging & Coverage

Product	Pack Size	Theoretical Coverage
Premix Plaster S	50 Kg Bag or Bulk	Approx .35 liter

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 Premix Plaster S 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 the plaster application. In case of doubt, try on the sample area to assess its suitability or contact a Saveto representative.
- Do not apply the product at a temperature lower than +5°C. During the summer season, the working area must be covered to prevent the ill-effects of direct sun and excessive air-draught during the initial curing stage.
- 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 eye irritation, immediately wash with a copious amount of clean cold water. Seek medical advice. Premix Plaster S is non-flammable.

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