



Plastermix-S PLS221

Sprayable Premixed Cementitious Plaster & Render

Uses

- Plaster and Render for Internal and External use.
- Ideal for Concrete and Concrete Block Walls
- Plaster for Dry and Wet Areas

Product Description

Plastermix-S PLS221 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. Plastermix-S PLS221 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.
- Applied directly on normal concrete block walls (CMU) without the need for Key coat.*
- Factory controlled pre-blend ensures consistently high quality.
- Requires only the addition of water on-site at the time of usage.
- 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.
- Free from Asbestos and complies with Green Building Regulations.

Design Criteria

Plastermix-S PLS221 is designed to be used at thicknesses between 10 and 25 mm in a single application without the need for spatter dash coat. Plaster on concrete and Thick plaster > 25 mm requires the application of spatter dash.

Technical Data

Plastermix-S PLS221	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 (N/mm ²)	≥ 8
Flexural Strength @ 28 day (N/mm ²)	≥ 2
VOC (g/L)	< 5

Standards Compliance

- ASTM C 926
- EN 998-1, EN 13914

Usage Instructions

Surface Preparation

The substrate should be sound, clean, free from loose material, grease, laitance, dirt curing compound, etc. Before Plastermix-S PLS221 application, damp the entire surfaces with clean potable water, and the substrate should be neutralized surface at the time of the Plastermix-S PLS221 application.

Smooth Concrete Surfaces & Thick Plaster

Apply vetonit Spatter Dash-MC SDM212 at 4 - 6 mm and cure for at least 3 days.

Mixing

Add to the mixing container 6.5 - 7.5 liters of water for each 50Kg bag of Plastermix-S PLS221. 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 rotor stator status. Use the mixed material within 90 min. Do not add water to the mix once the mixed mortar starts to harden.

Application

Apply Plastermix-S PLS221 on rough or smooth surfaces using a spray machine at a thickness of 10 - 25mm per layer. 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 Plastermix-S PLS221 by spraying water on the surfaces of applied materials every 8-12 hrs for a minimum of 3 days. Cure for more days during hot weather.

Legal Disclaimer

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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	Coverage
Plastermix-S PLS221	50 Kg Bag	~ 1.8 Kg / m ² / 1 mm.

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 Plastermix-S PLS221 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

Plastermix-S PLS221 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. Plastermix-S PLS221 is non-flammable.

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