

Monneli Premix Plaster S

Sprayable cementitious Premixed
Plastering/Rendering Material with improved bond strength

Product Description

Monneli Premix Plaster S is a polymer modified cement-based plastering/ rendering material composed of hydraulic binders, selected manufactured sand, aggregates, selected polymers, fiber 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. Monneli 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.

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 SB coat.
- ▶ Smooth Concrete Surfaces; Apply Monneli Spatter Dash SB prior to the application of Monneli Premix Plaster S.

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.

Usage Instructions

Surface Preparation

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

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

Mixing

Add to the mixing container 8-10 liters of water for each 50 Kg bag of Monneli 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.

Application

Monneli Premix Plaster S can be applied in a single or multiple layer 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

Monneli Premix Plaster S is best cured by spraying water on the surfaces of applied materials every 8-12 hours 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.

Technical Data

Category	Typical Values
Appearance	Grey Powder
Aggregate Size	1.0 mm
Application Thickness	10-25 mm in a single layer or up to 10-15 mm when multiple layers
Wet Density	1.80 Kg/L \pm 0.1
Pot Life	60 to 70 minutes
Setting Time	3-5 hours
Compressive Strength (ASTM C109/109 M)	\geq 15.0 N/mm ² @ 28 days
Flexural Strength (ASTM C348)	\geq 2.0 N/mm ² @ 28 days

All values are subject to 5-10% tolerance

Standards Compliance

- ▶ ASTM C150 Type 1
- ▶ ASTM C897
- ▶ ASTM C926
- ▶ BS EN 998, 13914

Consumption

Approximately 1.6 Kg/m²/mm

Packaging

Monneli Premix Plaster S is supplied in 50 Kg bag or bulk sizes.

Shelf Life & Storage

Original sealed bags of Monneli Premix Plaster S has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place.

Recommendations

- ▶ Do not mix with any additives or products, unless recommended by Monneli.
- ▶ Make sure the substrate is suitable for plaster coat application. In case of doubt, try on sample area to assess its suitability or contact a Monneli representative.
- ▶ Tools should be cleaned with water before the mortar hardens. After the hardening its residuals can be removed mechanically only.
- ▶ Do not apply the product at temperature less than +5 °C. During summer season the working area must be covered to prevent ill-effects from direct sun and also excessive air-draught during initial curing stage.
- ▶ For further information, contact our technical department.

Health & Safety

Monneli Premix Plaster S is 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 & water. In case of eyes irritation, immediately wash with copious amount of clean cold water. Seek medical advice.

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

Legal disclaimer

Monneli 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. Monneli 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.

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