

# Monneli Plaster Mix F

Cementitious premixed plastering/  
rendering Material

## Product Description

Plaster Mix F 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. Plaster Mix F 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 color surface. Plaster Mix F can be applied at thicknesses ranging from 10mm to 25mm.

## Uses

- ▶ Internal & external plaster on block walls and rough surfaces.
- ▶ Plastering on fairfaced concrete and precast panels subsequent to Spatter Dash SB scratch coat.

## 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 color/mass.
- ▶ Improved workability & curing.
- ▶ Easy application with uniform work flow enables high productivity & superior finishing.
- ▶ Strong adhesion on variety of substrates. Internal & external applications.
- ▶ Shrinkages control reduces surface cracks.
- ▶ Suitable for humid & dry conditions.

## Usage Instructions

### Surface Preparation

Substrate should be sound, clean, free from loose material, grease, laitence, dirt curing compound, or any other substance that might impair the quality of bond with the substrate.

Prior to Plaster Mix F Application, damp the entire surfaces with clean potable water. The substrate should be neutralized surface at the time of Plaster Mix F application.

### Mixing

Add to the mixing container 6.5-8.5 liters of water for each 50 Kg bag of Plaster Mix F. 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 PFT plastering machine, the water flow rate is 350- 550 lit/hr depending on 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 start to harden.

### Smooth Concrete Surfaces

Apply Spatter Dash SB prior to the application of Plaster Mix F.

### Application

Plaster Mix F can be applied in a single or multiple layers on rough surfaces. On smooth surfaces it should be applied subsequent to the application of a spatter-dash coat.

Rod or level to a uniform thickness when the plaster starts to set then follow smoothing the material to the 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

Plaster Mix F is best cured by spraying water on its surface every 8-12 hrs for a 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	1.5 mm (max)
Wet Density	1.6 ± 0.1 Kg/Liter
Application Thickness	10 to 25 mm
Pot Time	60 to 90 minutes
Setting Time	3 - 5 hours
Compressive Strength ASTM C109	≥ 7.5 N/mm <sup>2</sup> @ 28 Days
Flexural Strength ASTM C348	≥ 2 N/mm <sup>2</sup> @ 28 Days
Bond Strength EN 1015 - 12	≥ 0.35 N/mm <sup>2</sup> @ 28 Days

All values are subject to 5-10% tolerance

### Standards Compliance

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

### 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.

### Consumption

Plaster Mix F usage yields 31.25 Liters

### Packaging

Plaster Mix F is supplied in 50 Kg bag size.

### Shelf Life & Storage

Original sealed container of Plaster Mix F has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 25°C.

### Health & Safety

Plaster Mix F 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. Plaster Mix F is non-flammable. For further information, please refer to material safety data sheet.