

Monneli Plaster Mix M

Manual applied premixed plaster

Product Description

Plaster Mix M is a cement based plastering material composed of hydraulic binders, selected aggregates, and special additives. It is supplied as a dry powder in pre-weighed bags ready to use on site, which requires only the addition of clean water to produce cohesive mortar. Premix Plaster M is a high quality product contains special shrinkage control additive. It is designed for manual hand application for areas that can not be accessed by machine application. Plaster Mix M is generally applied in thicknesses ranging from 5 to 20 mm per layer.

Uses

- ▶ Designed for manual or hand applications.
- ▶ Internally or externally in wet & dry conditions
- ▶ onto block walls & rough surfaces.
- ▶ Ceramic tiling can be fixed directly on the

Advantages

- ▶ 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
- ▶ Good adhesion on variety of substrates
- ▶ Internal & External applications
- ▶ Weather resistant
- ▶ 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 Plaster Mix M application, damp the entire surfaces with clean potable water. Surface should be suction neutralized at the time of Plaster Mix M application.

Mixing

For manual mixing add to the mixing container 8-10 litres of water for each 50 Kg bag of Plaster Mix M . 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.

Hand mixing is allowed for small batch quantities by mixing for approx. 1-2 min or when homogenous mix is achieved. Mixed material must be used within 90 min. Do not add water to the mix once the mixed mortar start to harden.

Application

Plaster Mix M can be applied in a single or two layers on rough or smooth surfaces to achieve the desired thickness. Apply Spatter Dash SB prior to the application of Premix Plaster M.

Apply mixed material using hawk & trowel technique. Rod or level to a uniform thickness of 5-20 mm. When the plaster starts to set, follow smoothing the material to achieve the desired appearance.

For thicknesses more than 20 mm, please use practice ASTM C 926: each layer 10 - 15 mm rough finish, should cure before applying the second coat for at least 2 days.

After the surface appears stiff but still moist, follow the smoothing the material to achieve a desired appearance.

Curing

Plaster Mix M is best cured by spraying water on the surfaces of applied materials every 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.

Technical Data

Category	Typical Values
Appearance	Grey Powder
Aggregate Size	2.4 mm (max)
Wet Density	1.85 Kg/Liter
Application Thickness	5 to 20 mm/ Layer
Pot Time	90 minutes
Setting Time	3 - 5 hours
Compressive Strength ASTM C349	≥ 7 N/mm ² @ 28 Days
Flexural Strength ASTM C348	≥ 2 N/mm ² @ 28 Days
Bond Strength EN 1015 - 12	≥ 0.4 N/mm ² @ 28 Days

All values are subject to 5-10% tolerance

Standards Compliance

- ▶ ASTM C348
- ▶ ASTM C109
- ▶ ASTM C270
- ▶ ASTM C780
- ▶ BS EN 998-2, Type G
- ▶ ASTM C1072

Consumption

Plaster Mix M usage yields 1.1 Kg per square meter for 1 mm thickness.

Packaging

Plaster Mix M is supplied in 50 Kg bag size.

Shelf Life & Storage

Original sealed bags of Monneli Masonry Mortar 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 M 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 wash with soap & water. In case of eyes irritation, immediately wash with copious amount of clean cold water. Seek medical advise. For further information, please refer to material safety data sheet.

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