



Plaster Mix M

Manual applied premixed plaster

Uses

- Designed for manual applications.
- The perfect replacement of the traditional plasters and renders.

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. Plaster Mix M is a high quality product that contains a special shrinkage control additive. It is designed for manual hand application for areas that can not be accessed by machine application. Plaster Mix M can be used by plaster spray machine. Plaster Mix M is generally applied in thicknesses ranging from 5 to 20 mm per layer.

Advantages

- 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.
- Good adhesion on a variety of substrates.
- Internal & external applications.
- Weather-resistant.
- Shrinkage control reduces surface cracks.
- Suitable for humid & dry conditions.
- Environmentally friendly with fewer wastes.

Standards Compliance

- BS:EN 998-1
- ASTM C150 Type 1
- ASTM C 926
- SASO EN998-1 : CS IV, Wc 0

Technical Data

Plaster Mix M	Typical Values @ 25°C
Appearance	Grey Powder
Maximum Aggregate Size	Up to 2.4mm
Wet Density	1.85 Kg/Liter
Application Thickness	5 to 20 mm/ Layer
Pot Life	2 Hours with Retempering
Setting Time	3 - 5 hours
Compressive Strength BS EN1015 - 11	> 8 N/mm ² @ 28 Days
Flexural Strength BSEN1015 - 11	> 2 N/mm ² @ 28 Days
Bond Strength BSEN 1015 - 12	> 0.4 N/mm ² @ 28 Days

Usage Instructions

Surface Preparation

The 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. The surface should be suction neutralized at the time of Plaster Mix M application.

Mixing

Add to the mixing container 8.5-9.5 liters of water for each 50Kg bag of Plaster Mix M. Add the powder to the water and mix with a mechanical plaster mixer or a low-speed electric drill fitted with a suitable paddle. Mix for 3-4 minutes, until achieving a uniform, lump-free consistency.

For manual (hand) mixing, pay attention that water demand might differ from the mentioned above ratio due to the mixing efficiency that depends on human efforts.

For the spraying machine; adjust the water flow from 350-550 Liter/hour, this depends on the desired consistency and the rubber pump conditions.

In order to increase the workability and the adhesion of the plaster to the substrate, we highly advise to add 1-2 liters of Saveto Bond 2 to the mixing water and adjust the water requirements for each 50kg bag of Plaster Mix M.

The mixed material can be retempered after 1 hour from mixing up to 2 hours, after that the material can not be used since it starts to set.

Application

Plaster Mix M can be applied in a single or two layers on rough or smooth surfaces to achieve the desired thickness. Prior to the application of Plaster Mix M, Spatter Dash SB should be applied to the surface.

Apply mixed material using hawk & trowel technique. Rod or level to a uniform thickness of 5-20 mm. When the plaster starts to stiff, usually after 40 - 60 min depending on the surrounding conditions, smooth the material to achieve the desired appearance.

When applying Plaster Mix M using a plaster machine, ensure to obtain a high pressure and the right water ratio, start with the areas which will consume more and apply gradually.

For thicknesses, more than 20 mm, use the ASTM C926 practice: each layer 10 - 15mm rough finish, should cure before applying the second coat for at least 2 days; or follow the double-up or double-back procedure (which indicates to apply the second coat of plaster to the first coat as soon as the first coat has attained sufficient rigidity to receive the application without any damage). This often occurs on the same day and is relative, where it depends on the plasterer experience, the Saveto Technical team does not likely recommend it.

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

Curing

The curing method for Plaster Mix M is by spraying water on the surfaces of applied material every 12 hours for a minimum of 3 days. During hot & dry conditions allow curing for a minimum of 5 days. This will help in obtaining a higher mechanical strength and minimize the risk of surface cracks.

Packaging & Coverage

Product	Pack Size	Coverage
Plaster Mix M	50 Kg Bag	2.5m ² @1cm / 50 kg bag

Shelf Life & Storage

An original sealed bag of Plaster Mix M has a shelf life of 12 months, provided to store it clear of ground in a dry and 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 plaster application. In case of doubt, try on a sample area to assess its suitability or consult 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 ill-effects of direct sun and also excessive air-draught during the initial curing stage.
- Tools should be cleaned with water before the mortar hardens. After the hardening, its residuals can be removed mechanically only.

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. Wash any skin contact with soap & water. In case of eye irritation, immediately wash with a copious amount of clean cold water. Seek medical advice.

Plaster Mix M is non-flammable.

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