



Premix Plaster LW

Premix plaster designed for use with AAC concrete and AAC block work

Uses

- Designed for spray applications, internally or externally, in wet & dry conditions, onto AAC block walls & rough surfaces, without the necessity of a spatter dash coat's prior application.

Product Description

Premix Plaster LW is a cement-based plastering 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. Premix Plaster LW is specially designed for spray machine application and contains a special shrinkage control additive, and provides good adhesion with a uniform color surface.

Advantages

- Fast mixing application using a spray machine.
- It contains a special additive that reduces friction and prolongs the lifespan of the equipment.
- 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.
- 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.

Design Criteria

Premix Plaster LW is designed to be used at thicknesses between 10 and 25 mm in a single application. The product can be applied on block walls without the need to use a scratch coat as long as the substrate is properly soaked prior to application.

Technical Data

Premix Plaster LW	Typical Values @ 25°C
Appearance	Grey Powder
Maximum Aggregate Size (mm)	Up to 1.5mm
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)	2 - 3
Wet Density (Kg/L)	1.5 Approx.
Dry Bulk Density (Kg/L)	1.4 Approx.
Compressive Strength @ 28 day (EN 1015-11) (N/mm ²)	> 6
Flexural Strength @ 28 day (EN 1015-11) (N/mm ²)	> 1.4
Bond Strength @ 28 day EN 1015 - 12 (N/mm ²)	> 0.3
Capillary Water Absorption (EN 1015-18) @ 0.5 min (kg/m ²)	0.18
Thermal Conductivity (EN 1745) (W/mK)	0.72
Reaction to Fire (EN 13501-1)	CLASS A1

Standards Compliance

- SASO EN998-1, CSIV, Wc1
- ASTM C926

Usage Instructions

Surface Preparation

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

Before Premix Plaster LW application, damp the entire surfaces with clean potable water, and the substrate should be a neutralized surface at the time of Premix Plaster LW application.

Mixing

Add to the mixing container 6 - 8 liters of water for each 50kg bag of Premix Plaster LW. 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 300 - 500 ltr/hr for the application using a plastering machine, depending on the rubber pump's status.

Use the mixed material within 90min.

Do not add water to the mix once the mixed mortar starts to harden.

Application

Apply Premix Plaster LW in single or multiple layers on rough or smooth surfaces, using a spray machine at a thickness of 10 - 25mm per layer. Apply a spatter dash coat on smooth surfaces.

Rod or level the material to a uniform thickness of 10 - 25mm. When Premix Plaster LW starts to set, smoothen the material to the desired appearance.

For multiple layers (which is not advised due to the design criteria of lightweight structures), follow the practice mentioned in ASTM C926, 10 - 15mm/layer with rough finishes, 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, smoothen the material to achieve the desired appearance.

Curing

Cure Premix Plaster LW by spraying water on the applied materials' surfaces every 8-12 hrs for a minimum of 3 days. During hot & dry conditions, allow curing for a minimum of 5 days. It will help to obtain high mechanical strengths and minimize the risk of surface cracks.

Legal Disclaimer

Saveto 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 following any advice, specification, recommendation, or information given by us. Saveto has the right to change any of the technical datasheets specifications upon its discretion without prior notification.

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	Yield
Premix Plaster LW	50 Kg Bag or Bulk	37 Liters

Stated consumption data are for general guidance. Actual consumption depends on the nature of substrate, method of application, and wastage.

Shelf Life & Storage

The original sealed bag of Premix Plaster LW 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 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

Premix Plaster LW 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.

Premix Plaster LW is non-flammable.

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