

EWI-749

LIME PLASTER

PRODUCT DATA SHEET

EWI-749 Lime Plaster is a premixed mortar in powder form based on natural aerial lime as a binder, natural pozzolana, optimised aggregate curve to obtain a fine and shrinkage-free finish, selected additives which give it a longer working time, better workability, better adhesion, and water repellence. It provides a very natural decorative finish, waterproof, with a great aesthetic quality of the building: on facades and interior walls.

Lime plaster is an excellent historical binder to produce lime-based mortars and stuccos, with the aim of achieving a smooth finish that can be used internally or externally. It is also breathable, porous, and permeable to water vapour, which generates a building envelope that prevents the accumulation of humidity in the interior of the rooms, thus improving the habitability of the building, the health and safety conditions (by reducing the risk of condensation) and allows for natural renewal of indoor air, increasing comfort inside the home. It is a sustainable building material in line with the company's philosophy. It represents an avant-garde trend in the current context, in which there is a marked commitment to ecological, healthy, and environmentally friendly habitats. The hydrated lime and the aggregates used in its production are close to the production centre, reducing the greenhouse gas emissions associated with its transport.

Intended Uses

Lime Plaster is the ideal solution for interior and exterior refurbishment, to perpetuate the durability of buildings of historical and artistic value (Restoration of Historical Heritage).



Technical Specification

Dry Bulk Density

1.25-1.35 g/cm³

Powder Density

0.6-0.7 g/cm³

Compressive Strength

CSI Category (28 days)

Adhesion

> 0.2 N/mm²

Reaction to Fire

Class A1

Water Vapour Permeability Coefficient

$\mu \leq 25$

Humidity Level

80% RH

Please note: These figures may vary based on the substrate and application method.

Please see the reverse of this page for directions for use.

Directions for use

Substrate Preparation

The substrate must be firm, dry, and clean: free of badly adhered parts, previous applications of grouts, water repellents, release agents or waxes, rust, oils, grease, dust, efflorescence, vegetation, micro-organisms (mould or verdigris), pollution residues, building site material or any element that may impair the adhesion of the product to the substrate. For this reason, clean the substrate carefully and thoroughly. Removing the remains of previous applications in bad conditions.

Never coat plaster, wood, or external insulation substrates. It is essential to dampen, but not to flood, the substrates beforehand with non-pressurised water beforehand to ensure good adhesion. The walls, especially outdoors, should be watered the day before with plenty of water.

Product Preparation

Knead mechanically or manually by pouring water into a container and gradually adding the mixture until a homogeneous, lump-free mortar is obtained, for 3-5 minutes. Resting time 3-5 min. Do not re-mix or add water to reactivate it.

Application

The function of the material is strictly decorative, so do not apply directly on the substrate (brick, concrete block etc).

It must be applied on a base of hydraulic lime mortar or a breathable rendering that provides the technical performance of the facing. It is not recommended to apply on horizontal or inclined surfaces, exposed to the direct action of rainwater. Nor on waterproof substrates.

Spread the mixture with the help of a stainless-steel trowel to a thickness of 3 to 4 mm, according to the desired finish.

If a glossy finish is desired, it should be burnished with the centre of the trowel, smoothing it repeatedly, until a polished texture is achieved.

Prevent water run-off on the façade with the construction elements designed for this purpose.

Clean-up

All equipment must be washed with clean water immediately after use. Waste material should not be emptied into drainage systems.

Compliance with Standards

Storage

12 months shelf life from manufacture date.

Application Conditions

Yield

4 kg/m²

Application and Setting Temperature

5°C to 30°C

Water Mix Proportions

Add mixture to water until a homogeneous and lump-free

Time to Use After Mixing With Water

60mins (23°C 65%RH)

Application Thickness

<95%

Maximum Thickness per Coat

4mm

Please note: These figures may vary based on the substrate and application method.

Packaging

20kg Bag

Safety Measures

Wear protective goggles, gloves, respiratory equipment and protective clothing when mixing and using this product. Avoid contact with the eyes. In the event of eye contact, wash the affected area with plenty of cold water as soon as possible and seek medical attention. Do not ingest. Keep out of reach of children. Refer to material safety sheet for further information regarding first aid and protection recommendations. Contact with wet cement may cause irritation, dermatitis or burns. For further details, refer to our Health & Safety Data Sheets



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