



Eco Stucco Liscio

Smooth lime-based finish with natural pozzolans and stone powder

Description

ECO STUCCO LISCIO – GAIGA Natural House is a pre-packaged, mineral, breathable, eco-sustainable, and bio-compatible finishing coat composed of pure air lime, micronized natural pozzolans, very fine stone powder, natural reinforcing microfibers, and specific rheological additives. It is completely free from salts and clinker. Once cured, the mix contains no traces of free lime. The binder is a hydraulic lime obtained by cold blending of first-quality slaked air lime—produced by low-temperature calcination (850–900°C) of pure limestones—with highly micronized natural pozzolans. This special binder, called 'Pantheon Pozzolan Lime,' provides the mix with excellent substrate adhesion, notable elasticity (low elastic modulus), very high breathability, and strong resistance to alkaline attack, mold, and bacterial growth. It is free from substances harmful to humans and the environment and can be recycled as inert material at end of life.

Fields of Application

ECO STUCCO LISCIO – GAIGA Natural House is specifically designed for the smooth 'troweled' finishing of new interior and exterior plasters that are porous and breathable, where a highly permeable material is required. It is ideal for restoration, conservative, and monumental works, being fully compatible with traditional historical materials thanks to its natural formulation. Particularly suitable for green building applications to ensure hygroscopic balance and healthy interiors.

Substrate Preparation

The substrate must be clean, compact, and free from dust or powdering. Any non-adhering or inconsistent parts, dirt, salt efflorescence, oil, grease, wax, or mold must be removed to ensure good adhesion.

- Masonry, old or new, must first be plastered with CALX P-14 GAIGA Natural House, N5 GAIGA Natural House, or PZ-20 GAIGA Natural House. Before applying the finish, moisten the substrate adequately.

- Existing substrates must be well adhered, free from cracks, dry, and clean. Smooth or repair irregularities with ECO RASANTE FONDO CD-20 GAIGA Natural House. Before applying the finish, moisten the surface.
- Interior surfaces such as plasterboard or fiber-gypsum must first be treated with a deep consolidating primer (A1) and then leveled with ECO RASANTE FONDO CD-20 GAIGA Natural House reinforced with an alkali-resistant mesh, or alternatively with a filling paint.

Mixing

Mix each 15 kg bag with approximately 5–6 liters of clean water (about 35–40% of the powder weight) until a homogeneous, soft, lump-free paste is obtained. Mix using a mechanical mixer or suitable machine. Let the mixture rest for 10–15 minutes before application.

Application

On a properly prepared surface, apply the first coat of ECO STUCCO LISCIO using a square trowel or 'American' spatula. When the first layer is still slightly damp, apply the next coat and smooth with the edge of the spatula until a uniform, compact surface is obtained. Apply in 2–3 coats depending on the desired level of smoothness. Failure to follow good construction practices may lead to unsatisfactory results.

Application Temperature

Apply at ambient and substrate temperatures between +5°C and +35°C in the absence of wind. Protect from direct sunlight, excessive drying, and drafts.

Consumption

Approx. 1.10 kg/m² per 1 mm of thickness.



Technical Characteristics

Binder	Pantheon Pozzolanitic Lime
Form	Powder
Color	Neutral-sand
Grain size (UNI EN 1015-1)	0–80 μm
Apparent density of dried mortar (UNI EN 1015-10)	$\approx 1100 \text{ kg/m}^3$
Water vapor permeability (UNI EN 1015-19)	$\mu < 8$
UNI EN 459-1	FL 5
Thermal conductivity (UNI EN 1745)	$\lambda = 0.29 \text{ W/mK}$ (tabulated value)
Adhesion to substrate (UNI EN 1015-12)	0.3 N/mm^2
Reaction to fire	Class A1
pH	13
Compliance	EN 998-1

Packaging

15 kg paper bags.

Storage

Store unopened bags in a cool, dry place, protected from humidity, rain, frost, and heat. Shelf life: 12 months from production date.

Warnings

For professional use only. Do not alter the product. Protect from rain during drying. Due to the use of pure natural raw materials, color variations may occur between batches. The information provided is based on laboratory tests and technical experience. Always verify the suitability of the product for the



intended use. The manufacturer reserves the right to modify product characteristics without prior notice. Consult the safety data sheet before use.