



Bio-Intonachino

Finishing plaster

Description

BIO-INTONACHINO – GAIGA Natural House is a pre-packaged powder plaster. It is breathable and eco-sustainable, composed of pure air lime, micronized natural pozzolans, stone powders, selected calcareous-siliceous sands, natural reinforcing micro-fibers and specific performance-enhancing additives. The binder is a hydraulic lime obtained by cold blending first-quality slaked air lime—produced by low-temperature calcination ($\approx 850-900^{\circ}\text{C}$) of pure limestones—with micronized natural pozzolans. The binder provides excellent adhesion to the substrate, very high breathability, high resistance to alkaline attack and to the formation of molds and bacteria, and notable elasticity. It is absolutely free of salts and clinker, contains no substances harmful to health or the environment, and is fully recyclable as inert material at end of life.

Fields of Application

BIO-INTONACHINO – GAIGA Natural House is suitable for green building and has been designed for interior and exterior plasters requiring a traditional, breathable, natural finish resistant to chemical aggression. It is recommended for refurbishment, conservative and monumental restoration, being fully compatible with original historic materials, especially where the natural color of the surfaces is desired. It ensures hygroscopic behavior and healthy indoor environments.

Substrate Preparation

The surface must be:

- clean and free of dust
- compact and rough
- free from loose parts
- free from incoherent materials such as oils, salts, molds, waxes, etc.

For application, observe the following recommendations:

- Old and new masonry must first be plastered with PZ-20 GAIGA Natural House or CALX P-14; adequately dampen the base before applying the finish.
- Existing plasters must be well adhered, clean, dry and free of cracks. Treat with a suitable primer and then skim irregularities/tracks with ECO-RASANTE FONDO CD-20 – GAIGA Natural House. Adequately dampen the base before applying the finish.
- Interior surfaces in plasterboard, fiber-gypsum or similar must first be treated with a primer and then evened with ECO-RASANTE FONDO CD-20 – GAIGA Natural House reinforced with mesh.

Mixing

Mix each 20 kg bag with approximately 7–8 liters of clean water (about 35–40% of the powder weight). Mix using a mixer or mechanical agitator until a homogeneous, lump-free paste is obtained. Apply after a resting time of 10–15 minutes.

Application

On a dampened base, apply the first coat of finishing plaster with a square trowel or spatula to a thickness of about 2 mm. When the first layer is dry, apply a second coat of the same thickness. Bring the surface to perfect planarity with a sponge float while it is still slightly damp. Failure to follow good construction practice may lead to undesired results.

Final Protection

For exterior use—especially on façades most exposed to weathering—protect the surfaces with a suitable final protective treatment. For interiors—particularly in rooms requiring greater protection (kitchens, bathrooms, etc.)—it is possible to apply protective products based on natural oils, waxes and soaps, or another suitable protective finish. Perform representative tests to choose the protective type, desired final effect and application method. Allow full drying and curing of the finish (minimum 7–10 days) before applying any protective treatment.

Application Temperature

Apply at ambient and substrate temperatures between +5°C and +35°C in the absence of wind. Protect from excessively rapid drying due to sunlight or drafts.



Consumption

Approximately 2.5–3 kg/m².

Technical Characteristics

Binder	Pantheon Pozzolanic Lime
Form	Powder
Color	Per color chart
Grain size (UNI EN 1015-1)	0–0.07 mm / 0–1.2 mm
Apparent density of dried mortar (UNI EN 1015-10)	≈1300 kg/m ³
Compressive strength (UNI EN 1015-11)	Category CS II
Water vapor permeability (UNI EN 1015-19)	$\mu < 8$
Thermal conductivity (UNI EN 1745)	$\lambda = 0.39$ W/mK (tabulated value)
Adhesion to substrate (UNI EN 1015-12)	0.3 N/mm ²
Reaction to fire	Class A1
VOC	None
Compliance	EN 998-1

Packaging

20 kg bags.

Storage

Store bags intact in a cool, dry place, protected from humidity, rain, frost or high heat sources. Use within 12 months from production date.



Warnings

Protect from driving rain throughout the drying period. Do not mix with other products. Do not apply on permanently damp walls, gypsum substrates, or smooth, non-absorbent surfaces. Consult the safety data sheet before use. Professional use only.