

TECHNICAL DATA SHEET



Intonaco Calx P-14

Base plaster for exterior and interior use

Description

INTONACO CALX P-14 – GAIGA Natural House is a powdered plaster to be applied by machine, made of natural hydraulic lime and calcareous-siliceous aggregates with a maximum grain size of 1.2 mm in a continuous granulometric curve. It is an eco-sustainable and bio-compatible plaster. The binder used is a hydraulic lime obtained by low-temperature calcination (<1100°C) of limestone with reduced silica content. The binder gives the mixture excellent adhesion to the substrate, high breathability, resistance to alkaline attack and the formation of mold and bacteria, and remarkable elasticity.

Fields of Application

CALX P-14 plaster is designed for use as a base coat for both interior and exterior applications: on straw, stone, brick, tuff, or mixed masonry. It is particularly suitable for the restoration and conservation of historic buildings, where compatibility with the original materials used in the past is essential — ensuring a natural, breathable result.

Surface Preparation

The surface must be:

- well cleaned and free of dust
- compact and rough
- free from loose parts
- free from incoherent materials such as oils, salts, etc.

It is recommended to adequately wet the substrate before applying the product. In hot climates, wetting may also be done the evening before application. At the time of application, the surface should be damp. Compatibility with the substrate and the suitability of the material must be verified in advance by performing a preliminary test.

Mixing

Each 25 kg bag should be mixed with approximately 6 liters of clean water, corresponding to about 24% of the powder's weight.

Application

Application should be carried out using a machine, with a maximum thickness of 20 mm per coat. If thicker applications are required, the plaster should be applied in multiple layers, ensuring that each layer is properly dry before applying the next one. To avoid cracks or microfissures, wet the surface before applying subsequent layers. For walls exposed to direct sunlight, it is important to keep the surface moist to prevent rapid water loss, which could cause detachment or crumbling of the plaster. Finish coats should only be applied once the base plaster has fully cured. Ignoring the basic rules of good craftsmanship may lead to undesired results.

Application Temperature

Apply at ambient and substrate temperatures between +5°C and +35°C, in the absence of wind.

Consumption

Approximately 13–14 kg/m² for 10 mm thickness.



Technical Characteristics

Form	Powder
Color	Amber
Granulometry UNI EN 1015-1	0 to 1.2 mm
Compressive strength UNI EN 1015-11	$> 2 \text{ N/mm}^2$ – Category CS I
Water vapor permeability UNI EN 1015-19	$\mu < 8$
Adhesion to substrate UNI EN 1015-12	0.4 N/mm^2 – FP: B
Reaction to fire	Class A1

Packaging

25 kg bags

Storage

Store in its intact bag in a cool, dry place, protected from moisture, rain, frost, and direct heat sources. Use within 4–6 months from the 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. Refer to the safety data sheet before use. Professional use only.