

HYDRATED LIME in POWDER (traditional elaboration) CL90 S EN459-1:2010

DEFINICIÓN:

Hydrated calcium lime, with a magnesium content < 5%, obtained by calcination of limestone with a purity of up to 99% in calcium carbonate, in traditional kilns of Arab origin, at a constant temperature between 900 °C and 1000 °C for about 15 days uninterrupted, fired with wood of olive, pine and oak.

The extinction is done with a precise amount of water. The result is a product in powder.

This elaboration is developed in a traditional and artisanal way, respecting the environment (nearly closed carbon cycle).

To the properties inherent to the lime, should be added the ones, provided by this processing system, which gives the product a very good plasticity.

SKILLS:

-Elaboration of mortars. Its great purity and binding power, is very profitable to manufacture mortars, we can dispense (depending on the aggregate used), from doses of 1:4 to 1:3 for grip mortars and plasters and from 1:3 to 1:2 in finishes, according to the aggregate used (for fine finishes and stuccos better use sieved lime putty, slaked 4 years). For thick plasters, done in several layers, best add a little percentage of natural hydraulic lime.

-Does not require a particular aggregate type, works well with any arid quality, existing in the working area, preferably angular and free of clay, although it is advisable to use those, rich in silica or calcium carbonate.

- Not apt for lime wash and lime paint systems (for this works take sieved lime putty, slaked 4 years).

APPLICATIONS:

Rehabilitation and restoration in the interior and exterior of emblematic and old buildings. It can be used perfectly in new construction. Allows the realization of mortars and plaster. In thick plasters can be added a small percentage natural hydraulic lime in the base layers.

PREPARATION OF THE SURFACE, PRECAUTIONS:

Clean the support by removing any remaining dust, peeling, old paintings, residues of efflorescence and anything else that might harm a good bond. Saturate the support with water to prevent lack of adherence, cracks and precipitated drying. The mortar must be plastic, without excess of water. In dry and hot periods, shade and water for 2 weeks or more. The room temperature and the support must not be less than 5 °C or above 35 °C.

PRESENTATION:

Packaging: sac, 14 kg.

Appearance: Powder.

Color: white.

FEATURES:

(stone source):

Calcium carbonate content: 99% (high purity)

(fired stone):

Apparent volumetric mass (MVA): 0.35 Kg/lt.

Rate of calcium oxide: 94,08%.

Rate of magnesium oxide: 3,21%

(slaked lime, calcium hydroxide):

Beginning of setting > 48 hours.

Average density: 550 kg / m³

CERTIFICATIONS:

CE certification

STORAGE:

Kept in their original bags, conveniently closed, preserved from freezing.

SAFETY INDICATIONS:

Non-flammable product. See safety data sheet: LIME PUTTY.

REGULATORY INFORMATION:

In the form of powder the product is irritating by respiration, in form of or mortar, the product is irritating to the skin and eyes. Protective measures, such as gloves, eye protection and masks are recommended. Keep out of the reach of children. In case of contact wash immediately and carefully for 15 minutes with water. If irritation persists, consult a doctor.

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