

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

DEFINICIÓN:

Lime putty (hydrated calcium lime, slaked lime), with a magnesium content < 3%, 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 generous amount of water. The result is a product in putty, which gains properties over the years. These are noted among others in its quicker initial carbonation and more progressive mechanical resistance, compared with powdered hydrated lime.

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 great plasticity, malleability and softness.

SKILLS:

-Elaboration of mortars. Its great purity and binding power, is very profitable to manufacture mortar paste, 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 1:1 in fine finishes, according to the aggregate used.

-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.

- Apt for lime wash and lime paint systems (sieved 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, also of fine finishes and stucco.

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: 20 Kg, 250 kg drums

Types: Lime putty, unsieved, ½ year slaked. Lime putty, slaked 4 years, sieved 0.56 mm.

Appearance: Putty.

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: 96.72%.

Rate of magnesium oxide: 2.87%

(slaked lime, calcium hydroxide):

Beginning of setting < 4 hours.

Average density: 1300 kg / m³

CERTIFICATIONS:

CE certification

STORAGE:

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

SAFETY INDICATIONS:

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

REGULATORY INFORMATION:

In the form of putty or mortar, the product is irritating to the skin and eyes. Protective measures, such as gloves, eye protection 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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