

# RENAISSANCE LIME PUTTY

416 LAFAYETTE ST. SALEM, MA 01970

## High Calcium Lime Putty

High Calcium Altamura limestone  
“Soft-fired” wood burned  
Aged in open-air pits  
Absolute white color

Excellent for mortars, plasters, limewashes  
Ideal for historic restoration  
High plasticity  
100% free of additives

High Calcium Lime Putty, micronized and aged in open-air pits. The high calcium content, the “soft” wood burning and the long aging time are all elements that guarantee a “fat” quality lime. It is exceptionally pure and white; ideal for quality works such as stucco, marmorino, plasters and limewashes.

High calcium limestone (98% or greater calcium carbonate), microcrystalline, white, stratified with a thickness of 1-2m and without sedimentary discontinuities belonging to the Cretaceous Senonian Period.

The Altamura Limestone formation is particularly appreciated in the field of building materials.

Large pieces of Limestone are screened (6” to 12” pumps) washed and burned in indirect flame, natural draft, continuous production vertical kilns fueled by non-processed olive wood, a waste product from an adjoining lumber mill.

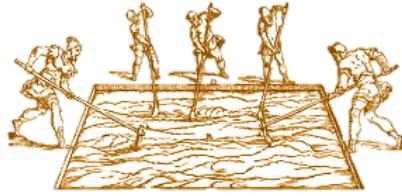
The wood burns in 4 lateral furnaces over a grill from which the ashes are separated. The burning takes place over a 5-6 days period at temps of about 900 C° (slow firing).

The quicklime lumps are slaked through a wet process, in excess of water, with mechanical hydrators. A horizontal rotating drum with internal blades optimizes the hydration of calcium oxide particles.

At the hydrator exit the material is screened and pumped into outdoor aging pits.

The lime putty aging process takes place in anaerobic conditions, in open-air concrete tanks, and monitored by highly qualified personnel.

Lime putty does not have a limit of preservation if stored in its covered buckets far from freezing or direct sunlight. It will not set by itself, However, if left open to air or in direct



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sunlight the putty will lose water by evaporation. Keep container covered and place a thin layer of water on top of the putty after each use.

Working temperatures should be between 5 C° and 30 C°. Protect against heavy rain, frost, drying wind, or direct strong sun to avoid rapid drying.

Lime putty can be irritating to eyes and skin. Do not take internally. Wear suitable gloves and avoid contact with face. In case of contact with eyes, rinse immediately with water and seek medical attention. Keep out of reach of children.

## Content analysis:

Form	Ca(OH) <sub>2</sub> aqueous suspension
CAS #	1305-62-0
Color	White
ph	12.4 (aqueous saturated solution 20 C°)
Solubility	1.8 g/l on dry at 25 C°
Bulk density	1300-1400 kg/m <sup>3</sup>
Free water	47.3%
CaO	97-99%
MgO	<0.1%
CO <sub>2</sub>	1-2%
SO <sub>3</sub>	<0.1%
Impurities (SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , Fe <sub>2</sub> O <sub>3</sub> )	<1%