

# GRASSELLO FILTRATO A 200 µm (FILTERED LIME PUTTY TO 200 µm)

## DESCRIPTION

Air binding product according to traditional methods. Having carefully selected the stone, from the quarry, it is slow fired in specific furnaces at 950-980 °C, using sawdust as fuel. The quicklime thus obtained is then "quenched" with water, giving rise to lime putty. At this point, the product is left to cure in specific tanks, for at least 8-10 months: in this period the hexagonal crystals, composing the structure of the product, are gradually and slowly arranged in many parallel rows, making the lime putty more compact, sticky, tenacious and workable, therefore cured and ready for use. Then, the product is filtered in a specific system, with further addition of clean water, until lime putty with fineness lower or equal to 200 µm is obtained.

Thanks to its natural characteristics, this product is attentive to health and safeguarding the individual and the environment.

## TECHNICAL DATA

Specific weight of the fresh product (EN 1015-6)

1.200-1.300 kg/m<sup>3</sup>

Particle size

≤ 0,2 mm

## "CALCIUM LIME 90" DESIGNATION ACCORDING TO UNI EN 459-1 CODE: EN 459-1 CL 90-S

LIME PUTTY: CHEMICAL ANALYSIS, EXPRESSED AS A %, IN OXIDE FORMAT  
TEST CARRIED OUT ACCORDING TO THE STANDARD UNI EN 459-2:2001

CaO (Calcium oxide)	97 - 99*				
MgO (Magnesium oxide)	1 - 2				
CO <sub>2</sub> (Carbon dioxide)	2 - 4				
SO <sub>3</sub> (Sulphur trioxide)	0,1 - 0,2				
Content in free water	54 - 59				
Loss on ignition	60 - 65**				
		<b>TYPE OF LIME</b>	<b>CaO + MgO</b>	<b>MgO</b>	<b>CO<sub>2</sub></b>
		Calcium lime 90	≥ 90	≤ 5	≤ 4
		Calcium lime 80	≥ 80	≤ 5	≤ 7
		Calcium lime 70	≥ 70	≤ 5	≤ 12

\*After loss on ignition

\*\*Summation of the free water, water linked to the calcium oxide and carbon dioxide



## APPLICATION FIELDS

LIME PUTTY, filtered to 200 µm, can be used for painting and murals, skimming, bas-reliefs and Marmorino finishes of high aesthetic and architectural value and frescoes.

## SUPPLY

- 22 kg (approx.) containers

## STORAGE

Keep far from frost and excess heat; the temperatures should not go below 5°C and over 30°C. Unopened, the product will last perfectly for decades.

The data outlined refer to tests carried out by the Morandi Bortot srl laboratory; in practical applications on building sites, these can change considerably based on the working conditions. The user must however check the product is suitable for its planned use, assuming all responsibility for such use. Our products undergo continuous quality controls on the raw materials and the end product to guarantee constant quality. Our technicians and consultants are available for any information or clarifications you may need, on how to use and work our products. Morandi Bortot srl reserves the right to make changes without prior notification.

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