

CALCE SPENTA O GRASSELLO EXTRA STAGIONATO (SLAKED LIME OR EXTRA SEASONED LIME PUTTY)

(SEASONED 24-36 MONTHS)

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 subsequently “quenched” with plenty of water, giving rise to SLAKED LIME, or extra seasoned air-slaked lime. At this point, the product is left to cure in specific tanks, for at least 24 and 36 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. 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)

1.350-1.450 kg/m³

"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*	<table border="1"> <thead> <tr> <th>TYPE OF LIME</th> <th>CaO + MgO</th> <th>MgO</th> <th>CO₂</th> </tr> </thead> <tbody> <tr> <td>Calcium lime 90</td> <td>≥ 90</td> <td>≤ 5</td> <td>≤ 4</td> </tr> <tr> <td>Calcium lime 80</td> <td>≥ 80</td> <td>≤ 5</td> <td>≤ 7</td> </tr> <tr> <td>Calcium lime 70</td> <td>≥ 70</td> <td>≤ 5</td> <td>≤ 12</td> </tr> </tbody> </table>	TYPE OF LIME	CaO + MgO	MgO	CO ₂	Calcium lime 90	≥ 90	≤ 5	≤ 4	Calcium lime 80	≥ 80	≤ 5	≤ 7	Calcium lime 70	≥ 70	≤ 5	≤ 12
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MgO (Magnesium oxide)	1 - 2																	
CO ₂ (Carbon dioxide)	2 - 4																	
SO ₃ (Sulphur trioxide)	0,1 - 0,2																	
Content in free water	49 - 54																	
Loss on ignition	60 - 65**																	

*After loss on ignition

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

APPLICATION FIELDS

SLAKED LIME, or extra seasoned air-slaked lime, can be used for painting and murals, skimming, bas-reliefs and Marmorino finishes of high aesthetic and architectural value and frescoes.

In conservation restoration works, it enables work very similar to the originals, compatible with the existing supports of the highest quality and prestige.

ADDITIONAL NOTES

Quicklime, produced by firing quarry stone at 950-980 °C, when it is “quenched” with water creates fresh air-slaked lime. After approximately 8-10 months resting in specific tanks, the period in which the crystals arrange in a series of parallel rows, production is enabled of seasoned lime putty, a sticky, tenacious and workable product, ready for use.

Prolonged seasoning at 24 and 36 months is essential to uniformly increase the pastiness and density of the product, which over time acquires specific properties to be considered a unique and indispensable binder in prestigious conversation restoration work.

SUPPLY

- 30 kg (approx.) bags

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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