



QUICKLIME

PRODUCT SHEET

CL 90-Q (UNI EN 459-1:2010)
High calcium content
"Softly" wood-burned
High reactivity

Excellent frost resistant mortars
High lime putty yield
Ideal for low shrinkage mortars
100 % Made in Italy

BRIEFLY

Quicklime (or calcium oxide) Micronized is an aerial lime with high calcium content and high fineness (< 90 micron) destined to be slaked:

- with water for the aerial binder preparation to formulate masonry mortars and plaster, lime milk, lime dyes;
- with damp sand for the construction of mortars of "hot lime" for masonry and plaster.

ORIGIN

99% pure limestone of calcium carbonate, microcrystalline, white, layered in counters 1-2 m thick and without sedimentographic discontinuity. It is extracted in the area of Fasano (BR), belongs to the Piano Senonian Cretaceous Period included in the formation of Altamura limestones, particularly appreciated in the field of building materials.

BURNING

Limestone burned in continuous vats with vertical shaft, natural draft and indirect flame. The fuel, consisting of scraps of small pieces untreated wood, burns in 4 side fireplaces. The unburnt ashes falling through a grid are separate. This process takes place in 5-6 days, at a temperature of about 900 ° C (sweet burning).

SLAKING

The calcined product, once cooled, undergoes a controlled hydration process and then milled in ball mills. A wind separator then extracts the finest part of the lime that is sold loose or in bags.

AGING

Aging of lime putty takes places in partially buried tanks, sealed and in anaerobic condition, controlled by qualified personnel as established by the DTGI (Technical Slaughtered Grassello of Aged Lime).

CERTIFICATION

CE Mark: CL90-Q (UNI EN 459:2010)
Registration No. REACH: 01-2119475523-36-0014

USES

Aerial binder for preparing masonry mortar or plaster with high breathability. Ideal for the formulation of "hot lime" mortars, characterized by low shrinkage and excellent frost resistance.

STORAGE

The product should be stored and stored away from moisture.

PACKING

Polyethylene bags of 15 kg

CAUTION

Do not apply at temperatures below 5 ° C and in all cases of risk of frost. Do not apply at temperatures above 30 ° C, on surfaces directly exposed to the sun, in excessively ventilated areas and in all cases of risk of rapid drying.

SAFETY INSTRUCTIONS

The product is irritating to eyes and skin. Use appropriate protective equipment, gloves, glasses, etc. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Consult the safety data sheet of the product supplied. Once switched off, refer to the reactive data for hydrated lime in powder or slaked lime.





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CHEMICAL & PHYSICAL DATA

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|--------------------------------|-----------------------|
| Physical state | Powder (< 90 micron) |
| Color | White |
| pH (aqueous sat. solution) | 12,5 |
| Water solubility on dry - 25°C | 1,3 g/l |
| Bulk density | 850 kg/m ³ |
| CaO+MgO | ≥ 90% |
| MgO | ≤ 5 % |
| CO ₂ | ≤ 4 % |
| SO ₃ | ≤ 2 % |
| Stability | Exceeded |
| Reactivity | R4 |

The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexperienced or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not la Banca della Calce Srl), is responsible for procedures relating to the application of the product.

ULTIMO AGGIORNAMENTO 04/09/19

