



## MAGNESIAC LIME PUTTY 60 MONTHS AGED

PRODUCT SHEET

**DL 90-30-S PL (UNI EN 4591:2010)** Excellent for mortars and plasters  
**Magnesiatic nature** High mechanical resistance  
**60 months aged in pit** 100% free from additives  
**"Softly" burned** 100% Made in Italy

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<b>BRIEFLY</b>	Magnesiatic lime putty, filtered and 60 months aged in pit. Its magnesiatic nature makes it ideal for plaster and masonry mortars; as aerial binder, it has high mechanical resistances comparable to those of weakly hydraulic limes (as NHL 2).
<b>ORIGIN</b>	The raw material comes from Rossana quarries (CN), not far from the kiln. It is a dolomitic limestone, compact, with alternate clear/dark color located inside a Mesozoic bearing in the Dronero Unit; made with calcescisto and Dolomitic Trias from 70/200 million ago.
<b>BURNING</b>	The limestone is burned in vat kilns, vertical type with small potentiality, 'type Sosso' from end 1800, feeded with natural gas and coal. The internal vat has a diameter of about 2,2 m and an height of about 16/18 m. The burning takes place in 3-4 days, at temperatures below 950°C (slowly firing).
<b>SLAKING</b>	The quicklime lumps are slaked through a wet process, in excess of water, with mechanical hydrators, a horizontal rotating roller with internal blades whose action optimize the hydration of calcium and magnesium oxide particles. At the hydrator exit, the material goes in a ball mill and filtered with vibrating sieve at 900 micron.
<b>AGING</b>	The lime putty aging period takes place in cement tanks partially underground, sealed, as set in DTGI (Technical Disciplinary of Aged Lime Putty); in anaerobic conditions, controlled by highly qualified personnel.
<b>CERTIFICATION</b>	CE marking: (UNI EN 459-1:2010): DL 90-30-S PL
<b>USES</b>	Aerial binder for masonry mortars preparation, for plaster with an high breathability. Recommended as base for quality finishes and for realization of lime-based paints.
<b>STORAGE</b>	The product does not have limit of preservation if storage far from freezing or in direct sunlight. It will not set by itself. However, if left open to air or in direct sunlight the putty will loose water by evaporation. Please keep container covered to prevent evaporation. Place on thin layer of water, on the top of the putty, after use to prevent crusting.
<b>PACKING</b>	Polyethylene bucket of about 22 kg each. Packing on euro pallet.
<b>CAUTION</b>	Working temperatures: not below 5°C or above 30°C Protect against strong rain, frost, drying wind or direct strong sun to avoid a rapid drying.
<b>SAFETY INSTRUCTIONS</b>	Irritating to eyes and skin. Do not take internally. Wear suitable gloves and eye/face protection; in case of contact with eyes rinse immediately with water and seek medical advice - keep out of the reach of children.





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## CHEMICAL & PHYSICAL DATA

Physical state	Ca(OH) <sub>2</sub> and Mg(OH) <sub>2</sub> aqueous suspension.
Color	Grey-white
pH (aqueous sat. solution)	12,5
Grain size	< 200 micron
Water solubility on dry - 25°C	1,6 g/l
Bulk density	1300-1400 kg/m
Dry residue (105°C)	47,0%
CaO+MgO	91,6%
MgO	36,1%
CO <sub>2</sub>	< 1 %
SO <sub>3</sub>	< 1 %
Impurity (SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , Fe <sub>2</sub> O <sub>3</sub> )	< 1 %

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, inexpert 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.

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