



HIGH CALCIUM LIME PUTTY 12 MONTHS AGED

PRODUCT SHEET

CL 90-S PL (UNI EN 459-1:2010)

High calcium nature
"Softly" wood-burned
12 months aged in pit

Absolute white color
Ideal for limewashes
High plasticity
100% free from additives

BRIEFLY	High Calcium Lime Putty, 12 months aged in pit. The high calcium content, the "soft" wood-burning and the long aging time are all elements that guarantee a "fat" quality lime, exceptionally pure and white, ideal for quality works as stucco, marmorino, plasters and limewashes characterized by high breathability and durability. Filtered < 180 micron.
ORIGIN	High calcium limestone ($\text{CaCO}_3 > 98\%$), microcrystalline, white, stratified with a thickness of 1-2 m and without sedimentographical discontinuities. It is extracted in the area of Fasano (BR), it belongs to the Cretaceo Piano Senoniano Period included in the formation of Altamura Limestones, particularly appreciated in the field of building materials.
BURNING	The limestone is burned in continuous vertical kilns, natural draught, by indirect flame. The fuel, non-processed waste olive wood in small size, burns in 4 lateral furnaces, over the grille from which, per fall, unburned ashes are separated. The burning takes place in 5-6 days, at temperatures of about 900°C (slow firing).
SLAKING	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 oxide particles. At the hydrator exit, the material is micronized.
AGING	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.
CERTIFICATION	CE Marking: (UNI EN 459-1:2010): CL 90-S PL
USES	Aerial binder for masonry mortars preparation, for plaster with an high breathability. Recommended as base for quality finishes and for realization of limewashes.
STORAGE	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.
PACKING	Polyethylene bucket 22 kg. Packing on euro pallet (36/48 buckets/pallet). Polyethylene bag 25 kg. Packing on polypropylene big-bags (nr. 40 bags/big bag) Plastic drum 270 kg. Packing on euro pallet (4 drums/pallet)
CAUTION	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.
SAFETY INSTRUCTIONS	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) ₂ aqueous suspension
Color	White
pH (aqueous sat. solution)	12,5
Grain size	< 180 micron
Water solubility on dry - 25°C	1,8 g/l
Bulk density	1300 kg/m ³
Dry residue (105°C)	41 +/- 2 %
CaO+MgO	97- 99 % (after Loss on ignition)
MgO	< 0,1 %
CO ₂	1-2 %
SO ₃	< 0,1 %
Impurity (SiO ₂ , Al ₂ O ₃ Fe ₂ O ₃)	< 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, 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.

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