



NATURAL INTONACO



ABOUT THE PRODUCT

NATURAL INTONACO is a premixed plaster based on pure natural hydraulic lime nh15, aerial lime, inert limestone and siliceous carefully selected to be used for breathable plastering of masonry for indoor and outdoor by hand or by machine. NATURAL INTONACO, due to the absence of cement and the use of pure natural hydraulic lime of the highest quality (nh15), is an environmentally friendly product, particularly suitable for specific restoration interventions and to use in green building, and it is recyclable as inert material.



UNI EN 998-1

FEATURES

NATURAL INTONACO is applicable on any type of stone support, mixed masonry, brick (new and old), tufo, reinforced concrete. (To be treated in advance with NATURAL AGGRAPPANTE). NATURAL INTONACO must not be applied on gypsum walls, substrates with poor resistance, inconsistent, on old paints or smoothing compounds. NATURAL INTONACO is characterized by high breathability and hygrosopicity values that allow the walls to breath and increase the natural exchange of water vapor with the surrounding environment. The high basicity of lime, an excellent natural disinfectant, prevents the spread of mold or bacteria and the special formulation of the product prevents the formation of salts (chlorides, nitrates, sulphates), harmful to the masonry or to the plaster itself. NATURAL INTONACO stands out for its plasticity and marked thixotropy which make it extremely easy to apply on any substrate.

HOW TO USE

NATURAL INTONACO requires 29% of mixing water (about 7 litres for each 25 kg sack). Mix for about 5 minutes in a cement mixer, for about 3 minutes with a low speed whisk drill. Let the dough rest for about 2 minutes before using. Adding cement to the mix deprives the product of its natural characteristics. For applications on heterogeneous, old and recent masonry, it is advisable to embed a plaster of fiberglass mesh in the plaster in order to avoid possible formation of cracks. NATURAL INTONACO, thanks to the excellent characteristics of the natural hydraulic lime used, can be applied with a plastering machine. After positioning the corner guards and the guides, dose the mixing water until obtaining a consistent mortar with a plastic appearance and project from a distance of about 20 cm in a single layer with a maximum thickness of 2 cm. Apply other passes with the same thickness when the underlying layer has hardened. This prevents the formation of micro cracks. After a few minutes, proceed with the tura level with an aluminium straight edge. After firming (about 8 hours), top up the surface. Thanks to the particular natural hydraulic lime used, NATURAL INTONACO is very light in color and can be left in place without any surface finish, worked with a float or scratched. Finishing, if internal, must be carried out within the following 24 - 48 hours depending on climatic conditions. As an ideal complement, you can use the natural tonachina or if you want a smooth ►

► natural finitura. Both are product based on pure natural hydraulic lime without cement. Tools are cleaned with water before NATURAL INTONACO has hardened.

PREPARATION OF THE SUBSTRATES

For the application on old masonry, remove completely the existing plaster, free the underlying masonry from degraded and inconsistent parts, form any traces of oil and grease, pre-existing paints and anything that could affect the perfect adhesion of NATURAL INTONACO. If possible, clean with a brush and wash with a low pressure washer. In any case, it is recommended to proceed with a rough coat (using the same NATURAL INTONACO by increasing slightly the mixing water or whit NATURAL AGGRAPPANTE). This is the purpose of making the substrate uniform and homogeneous before executing the bands and applying the same plaster. Wet always the substrate to waste, before applying the plaster. Surface with irregularities bigger than 2 cm, must be prepared at least 48 hours in advance with a filling of the same NATURAL INTONACO, avoiding the use of too much water during the mixing phase which would lead to a reduction in mechanical strength. Perform a striking if there are strong thicknesses.

SPECIFICATION CLAUSE

Natural background plaster for indoor and outdoor to be carried out with dry pre-mixed mortar without cement based on pure natural hydraulic lime nh15, aerial lime and selected limestone and siliceous aggregates. NATURAL INTONACO meets the requirements of the standard EN 998/1 - GP/CSI/WO, ADHESION 0,2 N/mm², reaction to fire class A1, coefficient of vapor permeability $\mu \leq 12$. NATURAL INTONACO has a consumption of 13 kg per square meter per cm of thickness and is applicable up to 2 cm per pass.

PACKAGING AND STORAGE

NATURAL INTONACO is supplied in 25 kg paper bags on wooden pallets protected with exstensible hood. It is recommended to keep NATURAL INTONACO in a dry and sheltered place on wooden pallets. In the original closed bags, it lasts for at least 12 months.

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FOR PROFESSIONALS

Chemical nature of the binder	Pure hydraulic lime NHL5
Constitution of the aggregates	Carbonate and siliceous
Mixing water	28 - 30%
Colour	Ivory
Yeald	13,0 kg/m ² for 1 cm thickness
Maximum diameter of aggregate	< 1,25 mm
Apparent bulk density	1,20 kg/L
Reaction to fire	Class A1
Pot life	1 hour
Compressive strenght after 28 days	Category CSI
Adhesion to the brick support	≥ 0,2 N/mm ² - FP:B
Capillary absorption	W0
Initial setting	2 - 3 hours
Waiting time for the filling	> 8 hours
Thermal conductivity	0,54 W/mK (tabulated value P= 50%)
Resistance to water vapour	μ ≤ 12
Medium thickness	10 - 20 mm
Durability	NPD
Application temperature	from + 5 °C to + 35 °C

The times indicated, 20 °C and 50% ur, are longer at lower temperature and shorter at higher temperatures.

WARNING - The above indications and prescriptions correspond to our experience and are to be considered purely indicative. In addition, they must be confirmed by exhaustive and practical applications; therefore before using the product, who intends to use, has to establish whether it is suitable for the intended use and in any case it assumes any responsibility that may derive from its use.

SPECIAL WARNINGS

PRODUCT FOR PROFESSIONALS. Do not add cement, other binders or additives. Moisten always the surface the day before application. Use plaster mesh for applications on uneven substrates. Maximum thickness per pass 2 mm. Avoid strong temperature changes in the setting phase, the product must be protected from frost and rapid drying. Moisten the product during setting in the first 24 hours. Protect surfaces from driving sun and wind.