



BIO RASANTE

Wall finish based on certified pure NHL 3.5 natural hydraulic lime and Zeolite.
Highly breathable, it prevents the formation of mold



TECHNICAL FEATURES

BIO RASANTE is a highly breathable "civilian" finish produced with natural raw materials such as natural hydraulic lime NHL 3.5 CE marked according to the EN 459-1 standard, very pure zeolite and recycled aggregates, it is ideal for the surface finishing of breathable plasters such as **BIO INTONACO**. Its high breathability and the content of natural limes give it healthy and hypoallergenic properties, such as preventing the formation of mold. **BIO RASANTE** is characterized by excellent workability and practicality of use that allow perfect creations in extremely short times. **BIO RASANTE** guarantees adherence to substrates, does not age and guarantees optimum consistency of performance over time.

FIELD OF APPLICATION

BIO RASANTE is used for the surface finishing of base plasters; designed for traditional "hand" application using a trowel and spatula, it is applied on walls and ceilings, indoors and outdoors.

PREPARATION OF THE SUBSTRATE

The substrates to be treated must be solid, stable and clean: powders, paints, dirt or release agents must be suitably treated and eliminated. Mechanically remove any dusty or detached parts. Smooth surfaces such as concrete and particularly absorbent substrates or substrates with varying degrees of absorption must be pre-treated with **HERALAX AC**. Wet old or very dry substrates with water, especially if exposed to direct sunlight, about an hour before applying **BIO RASANTE**, so that they have time to cool and dry on the surface. Very humid substrates can slow down the setting.

APPLICATION

Mix **BIO RASANTE** with about 28% clean water (7.5 liters per 25 kg bag), slowly adding the powder to the water and mixing with a low-speed mixer fitted with a propeller, until a mortar is obtained, homogeneous and free of lumps. In order not to incorporate too much air into the mortar, a maximum mixing time of about 3 minutes is recommended. In order not to compromise the final mechanical performance, mixing with a concrete mixer is always not recommended. Apply the prepared mortar with a trowel and spatula in thicknesses between 2 and 3 mm maximum. For best results, after the first coat has hardened, a second coat can be applied: do not exceed the maximum total thickness of 5 mm. If you need to cover loose or thin cracks in the plaster, it is advisable to insert a special fiberglass mesh between the first and second coat. For large surfaces it is possible to apply **BIO RASANTE** mechanically: after mixing the product, apply mechanically with a common plastering machine available on the market and smooth the product with a spatula and trowel. When necessary, the surfaces can be finished with a plastic or wooden trowel or spatulas. The freshly mixed mortar must be used within 1 hour. For painting it is recommended to use highly breathable water-based paints. Remember that the application of further very smooth and "closed" finishes tend to block the high breathability of **BIO RASANTE**.

CLEANING

The tools used must be washed with water before the mortar begins to set; subsequently, cleaning can only take place by mechanical removal.

ITEM OF SPECIFICATIONS

"Civil" surface finish of plasters and concrete surfaces with highly transpiring and hypoallergenic mineral smoothing compound based on natural hydraulic lime NHL 3.5 compliant with standard EN 459-1. The mortar applied must comply with **EN 998-1** as **GP-CSII-WO** as **BIO RASANTE** produced by the company **HERAKEM SRL**.

WARNINGS

- **BIO RASANTE** is mixed with clean water without adding other products.
- Do not mix with a muller or concrete mixer.
- Do not apply in direct sunlight or with strong ventilation.
- Do not apply on frozen substrates or in any case at ambient temperatures below +5 ° C, because the hardening of the product is based on the hydraulic setting of the binders which, at low temperatures, is excessively delayed with consequent anomalous hardening.
- Protect the applied mortar for at least 24 ÷ 48 hours from rain, washout and frost or rapid drying due to wind or beating sun.
- Subsequent finishes and painting can only be applied after hardening and drying.

TECHNICAL DATA *(at +22±1°C and 55±5% R.H.)

Appearance	powder with a characteristic hazelnut color	Compressive strength	category CS II (EN 1015-11)
Customs heading	3823 50 90	Adhesion to the substrate	0,5 N/mm ² (EN 1015-12)
Aggregate size	< 0,7 mm	Water absorption	W0 (EN 1015-18)
Apparent specific weight of powder	1,3 gr/cm ³	Thermal conductivity	0,52 W/m·K (tabulated value)
Mixing water	about 28 % by weight	Permeability to water vapor	0,61 W/m·K (tabulated value)
Mixing water per 25 kg bag	about 7,5 liters	Moisture resistance	excellent
Application temperatures	from +5°C to +35 °C	Resistance to aging	excellent
Maximum application thickness	3 mm for single coat, 5 mm total	Durability to freeze / thaw	excellent
Density (dry hardened mortar)	< 1600 kg/m ³ (EN 1015-10)	Final hardening	28 days

Consumption	approx. 1.2 kg/m² per mm of applied thickness	Packaging	25 kg bag
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PRODUCT FOR PROFESSIONAL USE ONLY

All the data and indications given in this technical data sheet, although resulting from laboratory tests carried out and from our direct application experiences, due to the infinite number of variables linked to the construction site conditions, are to be considered, in any case, purely indicative. Therefore, before applying the product, the user is required to establish whether it is suitable for the use envisaged by him, in the specific hygrothermal and application conditions foreseen at the time of use and, in any case, he assumes all responsibility for it. We are not liable for damage to people or things deriving from improper use of the product. We reserve the right to modify the data contained therein as a result of improvements and technical progress.