



INTONACO

NHL 3.5 NATURAL HYDRAULIC LIME-BASED MORTAR WITH REINFORCING FIBRES AND AGGREGATES OF A CALCAREOUS NATURE

INTONACO MAGISTRA is a hand- or machine-applied mortar based on natural hydraulic lime (NHL 3.5 according to EN 459-1:2010) with a typical light hazelnut colour, limestone aggregates with a grain size curve of 0.0 - 2.0 mm and reinforcing fibres. It is used indoors and outdoors as plaster for load-bearing and infill masonry in brick, tuff, stone and mixed masonry.

The product consists of raw materials of natural origin and is free of polymers and products from chemical synthesis. It possesses physical and aesthetic characteristics very similar to historical mortars. It is therefore recommended in the restoration of historical masonry, in green building and in quality construction in general.



Data sheet



Use:

Ready-to-use mortar, to be added with water only, used for making breathable, renovating and protecting masonry plasters. Suitable for both outdoor and indoor environments. It is used as a base coat on suitably treated masonry substrates such as:

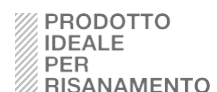
- common, thermo-acoustic and porous bricks;
- concrete blocks and autoclaved concrete;
- stone blocks, tuff and limestone;
- old bricks;
- for special substrates, the supplier's instructions must be observed.

Substrate preparation:

- The substrate must be clean, compact and rough: remove loose parts; remove dust, salt efflorescence, traces of oil and release agents by pressure washing and, if necessary, brushing the surface.
- All masonry joints must be filled with Magistra Grouting Mortar prior to plaster application.
- Use Rinzafo Magistra to prepare all smooth surfaces (stone, concrete, utility traces) by allowing it to cure for at least 7 days.
- Dampen the substrate before application (in particularly hot climates, it is also best to do it the evening before application).

Application:

Apply Intonaco Magistra in max. 2 cm thickness per single coat. Level the applied plaster with a rod without smoothing the surface too much; wait for the first hardening (24-48 hours) then apply INTONACHINO, which will be smoothed with a spatula and finished with a trowel.



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| Compressive strength | Category CS 1 |
| Reaction to fire | Class A1 |
| Thermal conductivity | 0.47 $\lambda_{10,dry}$ [W/mK] (tabulated value) |
| Grain size | 0.0 / 2.0 mm |
| Mixing water | 26% |
| Apparent specific weight | 1500 kg/m³ |
| Indicative consumption (cm thickness) | 12 - 14 kg/ m² |
| Package | 25 kg damp-proof bag |
| Storage | dry for up to 12 months |

Warnings:

- Do not mix Intonaco Magistra with other products.
- Only apply at room and wall temperatures between +5 °C and +30 °C in the absence of wind, to avoid disintegration phenomena due to frost, cracking or "burning" due to rapid water evaporation. Do not use on permanently damp walls.
- Protect masonry from frost and rapid drying (cover with tarpaulins, wet if necessary) for at least 2 to 3 days after application.
- Do not apply in direct sunlight and protect the applied plaster with sunscreen netting.
- Protect from driving rain for 2 to 3 days after application, to avoid washout of unripe plaster, which would cause patina and dripping.
- Attention: Natural lime plasters require longer processing and curing times than common cement-based premixes. A multiple-layer application is required, respecting the curing time for each layer.

Use:

Apply in 2 coats by trowel or machine on a suitably filled up and/or treated substrate with Rinzafo Magistra. Apply the first coat to form the body of the plaster and the second coat to finish, so as to obtain a homogeneous, vapour-permeable system.