

Eco Building Product

A traditional lime leveling plaster for mixed backgrounds
and a protective-decorative finish for thermal insulations



RASANTE B40 MGN

Lime Leveling & Finishing Plaster

What is it?

RASANTE B40 MGN is a white lime finishing plaster. Due to its flexibility and high adhesion, it is also suitable for a number of specialist applications.

These include:

Leveling Old Walls Made of Different Materials

The RASANTE B40 is suitable for patching up and *leveling irregular non-homogenous wall surfaces* made of different materials (e.g. a mix of bricks, lime, NHL, cement, gypsum etc.), often dating from different time periods.

Adhesion Bridge Between Cement and Lime

It acts as an *adhesion bridge* between modern sand and cement plasters and traditional lime finishes, making possible the application of a lime finish on a cementitious surface.

Due to its high adhesion, it can be *applied directly on any cementitious surface*, guaranteeing a safe grip on prefabricated concrete elements, reinforced concrete columns and beams.

White Protective Finish on Thermal Insulation

It can be applied *protective-decorative lime finish* on thermal insulating plasters to protect them from mechanical wear and tear, or as a *lime finish* on any lime or cementitious surface.

Composition

- **Aerial lime** in hydrated (powder) form certified to EN 459-1 CL90S standard, containing min. 90% pure calcium hydroxide
- **Natural hydraulic lime NHL 3.5**, certified to EN 459-1 standard
- **Washed river sand** free of impurities, not milled, with controlled grain size, certified to EN 139139 standard
- **Additives (<3%)**: natural bonding agents for improved adhesion



How to Apply it?

1. Preparation of the Substrate

Old plasters and cementitious surfaces: clean the surface with a pressure washer in order to remove dust, dirt and any traces of chemicals.

Remove any synthetic coatings (e.g. paints) to restore the porosity of the plastered surface and to ensure a solvent-free surface.

Wet the surface well (depending on weather conditions) before applying the Rasante B40 leveling finish.

2. Preparation of the Mixture

Mix the content of the RASANTE B40 MGN bag with clean water only. Mix it by hand, a hand-mixer or in a cement mixer for about 3-5 minutes, until the mixture is smooth and creamy.

3. Application of the RASANTE B40 lime plaster

A. As a leveling plaster for old walls made of different materials

Apply a first leveling coat with a stainless steel trowel in an average thickness of 2 mm, embedding a fiberglass mesh in the mix for improved flexibility. After hardening, apply a 2 mm second finishing coat. Finish it 20 minutes later with a sponge trowel.

If the substrate is **very absorbent**, apply a coat of *Fissativo per Calce MGN* primer for increased bonding. For surfaces coated with **synthetic paint**: remove the paint first then add 2 litres of *Fissativo per Calce MGN* primer to each bag of RASANTE B40 plaster.

B. As a bridging plaster between cement and lime

Apply a leveling coat with a stainless steel trowel in an average thickness of 2 mm. The coat will harden in about 20 mins, when is ready for any lime finish. (See point C)

C. As a lime protective-decorative finish

For a white finish: on top of the leveling coat apply a second coat of RASANTE B40 with a stainless steel trowel in an average thickness of 2 mm. After about 20 minutes (depending on the absorption of the substrate and the temperature) finish it with a sponge float.

For a colored finish: on top of the leveling coat apply two coats of ARENINO MGN colored finish as per the instructions of the product.



Technical Data

- **Granular size:** 0 - 1 mm
- **Cement content:** 0.0%
- **Bulk density:** 1,580 Kg / m³
- **pH:** 10.5
- **Vapor diffusion resistance μ :** 7.2
- **Thermal conductivity λ :** 0.72
- **Compressive strength:** 3.1 N / mm²
- **Adhesion:** 0.6 N / mm²
- **Capillary water absorption:** W1
- **Fire resistance classification:** Class A1

Specifications

- **Supply:** premixed mortar in powder form
- **Packaging:** in 25 kg paper bags
- **Preparation:** add only clean water to obtain a dense mixture.
- **Consumption:** 2.5 - 3.0 kg / sqm
- **Water intake:** 5-6 litres per bag.
- **Application temperature:** between 5 - 30 °C.
- **Storage:** the product can be stored for 6 months in a dry environment.

Precautions

Strictly comply with the indications contained in this technical data sheet. If in doubt consult our technical service.

Due to its natural lime content, the components are alkaline materials. The use of a mask and gloves during its use is recommended. In case of accidental contact with eyes, wash abundantly with water and consult a doctor.



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Please contact us with any questions