

NaturMortar Base

Version: Jan-18

NaturMortar Base is a mortar based on natural hydraulic lime powder, free from artificial hydraulics additives. Ideal for rendering, grouts in new work, rehabilitation and restoration of buildings. It is used as a gripping mortars and/or first regulation coat as it contains coarse aggregates.

PRODUCT DESCRIPTION

Features:

Good mechanical strength
Good workability.
Absorbs CO₂.
Contains high quality hydraulic lime.
Highly breathable. Avoids condensation.
Suitable for interiors and exteriors.
Free of VOCs and formaldehyde emissions.

Technical properties:

Apparent density	
· Fresh	1700 ± 100 kg/m ³
· Hardened	1440 ± 100 kg/m ³
Compression strength	CS I
Adhesion	> 0.5 N/mm ²
Coefficient of water vapor permeability	≤ 7.5 μ
Fire performance	A1
Nature	Hydraulic lime NHL
Natural color	Off white
Yieldon level substrate*	20-23 kg/m ² for 1 cm

*It depends on the type and condition of the substrate.

Format

25 kg sack.

Storage:

Keep in original pack, closed and in a cool and dry place. Keep from freezing and avoid direct sun exposure. Unopened, it may be conserved for at least 36 months from the date of manufacture.

APPLICATION INSTRUCTION

Application surfaces:

It can be applied on all types of common surfaces in construction: brick, concrete, masonry, etc.

Conditions of the substrates:

The substrate must be dry, firm, well adhered, free of any impurity and must have a grip to ensure the adhesion of the product.

Preparation of the substrates:

If the substrate presents algae, mould, fungi and / or other impurities, it is recommended to do a thorough cleaning, eliminating in its entirety and with specific products for this purpose.

If the substrate has poor adhesion, brush and apply *Minerseal Premium* diluted 3:1 with water.

If the substrate has salt deposits, brush and apply *Neutralysal Premium*.

On substrates without porosity, apply *Contak Premium*.

Product preparation:

Gripping mortar

Mix the product (25 kg) with 8-10l of clean water, product must be loosened for to be applied.

Regulatory mortar

Mix the product (25 kg) with approximately 5l of clean water, until achieve the required consistency

Mix mechanically until its total homogenization and let it settle 20-30 minutes before applying.

Application method:

Moisten the support before application of the product if the support is dry.

Gripping mortar

Apply one coat, splashed out with a masonry brush or by projecting machine evenly.

Regulatory mortar

Apply one coat to regulatory mortar manually or by projecting machine evenly (work thickness: 5-20 mm per day). Level the material with screed to regulate the thickness. Do not smooth the surface to ensure the grip of the finishing mortar.

If the substrate has cavities, natural stones, etc., the mortar must be launched prior on the substrate to ensure adhesion and avoid future superficial cracks

If there are supports of different nature, meshes must be used.

Drying:

In conditions of 25 °C and 60% relative humidity: 24-48 hours between layers of mortar, 24 hours for its protection or at least 4 days for Graphenstone® painting. The carbonation process mainly occurs during the first 30 days.

Environmental conditions:

The work temperature (environment and support) must be greater than +5 °C and less than +30 °C. Do not apply in direct sunlight, strong winds, rain, freezing or on supports heated by the sun.

Tools:

Preparation: mechanical agitator, bucket.
Application: masonry brush, trowel, double-mix projecting machine, level.
Finishing: notched trowel or similar, sponge trowel.

Tool cleaning:

Clean tools after use with warm water.

Notes:

With high temperatures or wind, moisten previously the substrate and keep the plaster moistened for at least 48 hours, by spraying with water.

Careful not to add too much water into the mix.

It is recommended to protect the treated surface from rain for at least 4 days.

If not being painted it is recommended to consolidate and protect with *Minerseal Premium*. In very humid or highly contaminated areas, *Hydroxeal Premium* is recommended to minimize water absorption.

The parts that are not going to be treated must be protected (glass, wood, etc.).

The information provided is given in good faith, based on current knowledge and IEdiSA's experience with the products when they are properly stored, handled and applied in normal situations and in accordance with the recommendations of IEdiSA. The Technical Specifications sheet is useful for information and consulting but is not legally binding. In particular, it does not exempt the user from testing and verifying the suitability of the product for the desired application and purpose. IEdiSA reserves the right to modifications that improve the product or its application. This version invalidates previous ones.

Do not mix with other products or specific properties may change.

Complementary products:

Graphenstone® products are recommended for the preparation of the substrate and protection of the finish. Refer to the relevant Technical Data Sheets.

DECLARATIONS

The manufacturer declares that the composition of the product, it does not contain hazardous substances and it is free of VOC emissions. It complies with the criteria of CE Marking according to UNE-EN 998-1.

ADDITIONAL INFORMATION**Usage warnings:**

None in particular for normal use and people who do not have special pathologies. Protect skin and eyes especially. Apply with good ventilation, do not inhale product. Keep out of reach of children.

Waste management:

According to local legal provisions.

Safety information:

For information regarding safety, physical, ecological and toxicological information see the latest version of the product's Material Safety Data Sheet.

Technical support:

For further information, please contact with local distributor or manufacture (technicalsupport@graphenstone.com).