

Goat ThermoLime

Thermal insulating mineral coating

Mortar with silica aerogel, silica microspheres and natural hydraulic lime, provides superior thermal insulation, breathability and protection against fire.



Product

- High efficiency thermal insulation.
- Humidity regulation.
- Prevents condensation indoors.
- Improving air quality.

Observations

- Do not add any additives to the mortar.
- On absorbent or porous surfaces and in times of strong heat, moisten before applying the product.
- Treat the unique areas (fissures...) with fiberglass mesh.
- The drying time will vary depending on the existing temperature and humidity.

Performances

- Bulk density 168 kg/m³
- Thermal conductivity (■ 10Dry) (UNE EN 998-1:2010) 0.04 W/m·K
- Capillary absorption (UNE EN 1015-18) ≤ 0.04 Kg/ mm²*min 0.5
- Vapour permeability (μ) (UNE EN 1015-19) ≤ 3 (High breathability)
- Compressive strength (UNE EN 1015-11) ≥ 2 MPa (Class CS II)
- Adhesion on support (UNE EN 1015-12) ≥ 0.3 MPa
- Recommended thickness per layer 10-30 mm
- Workability time (UNE-EN 1015-9:2000) 200-300 minutes
(depending on humidity and temperature)
- Reaction to fire A1 (Non-combustible)
- Resistance to salts and moisture: High
- Unalterable aging. Mineral and inert product

* These results have been obtained under standard conditions and may vary depending on the conditions of installation.

Applications

- Energy rehabilitation of facades and interior walls.
- Thermal insulation without modifying aesthetics.
- Breathable coating.
- In areas with condensation and mold growth problems.

Stands

- Concrete without water-repellent, thermoclay...
- Moisten slightly if the support is absorbent.
- On very smooth surfaces such as chamois or plaster, apply **Ultimate** bonding bridge .

Recommendations

- Application temperatures 5°C to 35°C.
- Always respect the same percentage of water during mixing.
- Do not add water to the product once kneaded.
- Respect the expansion joints of the existing base, mortar, ceramic,....
- Do not apply with risk of rain, frost, direct sunlight, strong wind...

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Execution conditions

The substrate must be solid and hard, dry, free of dust, disintegrating areas, paints, waxes and oils...

Clean the substrate until the previous or old plaster has been completely removed, in a higher quantity up to approximately 50 cm above the moisture mark.

Remove any degraded parts, as well as salt incrustations, by brushing and washing with water.

How to use

Aplicación manual:

- Apply a first thin layer of about 3 to 5mm with a stainless steel trowel approx, directly to the support in light busbar mode and as a bridge of adhesion. To do this, apply evenly, tightening and compacting on the support, ensuring adherence to later proceed to load the surface with suitable thicknesses. If you need teachers to carry them out the day before.
- Level the product gently (do not compact) with a ruler to regularize before it begins to fluff up inside, (this process depends on the ambient temperature and support)
- Once the appropriate hardening has been reached, trowel a the for the surface for regularization and planimetry.
- Mix **Goat ThermoLime** with clean water in a ratio of 4.5 to 5 liters per 25 lt bag.
- Kneading manually or with a mechanical mixer at low speeds until a homogeneous mixture is obtained.
- Let stand for 5 minutes and remix before applying.

Mechanical Application:

- Use light plaster spraying machines.
- Adjust the nozzle to ensure a homogeneous application.
- Apply in successive coats until the desired thickness is reached.
- Level the product gently (do not compact) with a ruler to regularize before it starts to fluff up internally, (this process depends on the ambient temperature and the support).
- Once the appropriate hardening has been achieved, trowel a the surface for their regularization and planimetry.

Note: **Goat ThermoLime** allows large thicknesses of 2 to 4 cm in a single pass, if greater thickness is required, apply in several coats with intervals of 24-48 hours.

Hardened material finish with **Goat All Terrain Fino**, according to technical data sheet of application.



Presentation

Bag of 24 liters

Colour

White (others a la carte)

Consumption

9-12 l/m² cm thick

*These consumptions may vary depending on the support and number

Conservation

Contains hydraulic lime (sets with moisture).

! IMPORTANT

The observations and prescriptions in this technical sheet, even if they correspond to our best experience, must in any case be considered purely indicative, and must be tested by exhaustive practical applications; therefore, before using the product, whoever is going to do so must establish whether or not it is suitable for the intended use, and assumes all responsibility that may arise from its use. Once the product has been handled or applied, the manufacturer will not assume any claim, nor will it be responsible for the form, mode and conditions of application.

