GECOL **Lana mineral**

Machine sprayable
ADHESIVE
WATERPROOF

Adhesive mortar for the installation of insulating thermo-acoustic mineral wool panels.

CLASSIFICATION ON INDOOR AIR QUALITY*
A+
A+ A B C

* Information on the level of volatile substances present in the indoor air and presenting a risk of inhalation toxicity. The classification ranges from A+ (very low emission level) to C (high emissions).

Insulation of interior double-sided walls and ventilated façades.

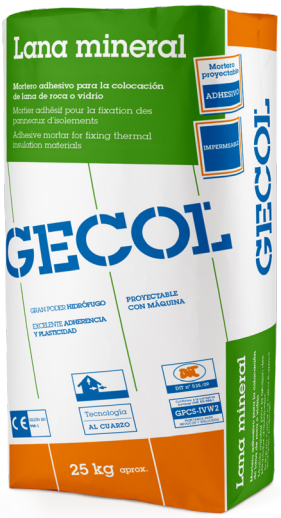
Highly waterproof.

Excellent adherence.

Machine sprayable.

Permeable to water vapor. Prevents condensation.

Incombustible system.



Uses	Quality	Regulations
	QUARTZ Technology	According to the European standard UNE EN 998-1 GPCS-IVW2 RENDERING AND PLASTERING MORTARS

Commissioning requirements

- The indications for use refer, where provided, according to our tests and knowledge and do not free the consumer from the study and verification of the product for its specific use.
- Other uses or other applications not described in said Standard will not be considered within the product warranty.
- Before using this product, we recommend consulting the user manual.
- The data provided in this technical documentation have been obtained under standard laboratory conditions, so they may vary depending on the on-site installation and on the specific weather conditions, which are beyond our control.
- The marking of this product is fixed in accordance with the provisions established in the **UNE EN 998-1** Standard and exclusively under the conditions that it indicates for the technical analysis and continuous verification of the regularity of the product.
- **GECOL** guarantees the perfect performance of its auxiliary products to the indicated situations. Materials from other brands or situations not described may affect the physical and aesthetic properties of our products.

Fields of application

- Sprayable waterproof adhesive mortar, suitable for installing low-density insulating mineral or glass wool panels directly on ceramic cladding and concrete blocks.
- Suitable for both installation in interiors, on double-sided walls and in exteriors on ventilated façades.
- Improves the waterproofness of the unit and prevents the penetration of water while maintaining permeability to water vapor, thereby allowing transpiration of the building and avoiding possible condensation.

Directions for use

1_Before getting started

- Do not use the product in very wet weather, when raining or when frost is expected, or in direct sunlight.
- Do not remix the product residues that have started to harden with more water, as this decreases the mortar's properties.
- Do not add cement, sand or other substances that could affect the properties of the material.
- If in doubt, always consult our Technical Department.

2_Substrate preparation

- As a general rule, all substrates must be: sturdy, clean, stable, rough, with a certain degree of absorption and moisture and completely set.
- Clean the substrate by removing traces of dust, dirt, etc.
- On excessively porous substrates or in warm weather, it must be previously moistened and we must wait for the film of water to disappear.
- In exposed brick masonry façades, the Technical Construction Code (TCC) requires "rough rendering on the inner face of the outer wall, if the wall is thinner than 24 cm."
- On smooth concrete substrates, we must apply a bonding bridge using **GECOL Primer-M**, which ensures the adequate adherence of the mortar.

3_Preparation of the mixture

- Mix the product with clean water and a slow electric mixer until obtaining a smooth and lump-free paste.
- Let it rest and then mix the paste again.
- The amount of water indicated on the packaging is a guideline and may vary by a small percentage depending on the geographic region where production takes place.
- Mixes with more or less thixotropic consistency may be obtained, depending on the application desired.
- Adding excess water can cause the thickness to be reduced during the plastic phase of drying, reducing its ultimate performance, as well as result in a poorer application of the product.

4_Application

- **GECOL Lana mineral** can be applied both manually or by mechanical spraying directly on the substrate.
- In the case of mechanical spraying, it is advisable to use a wide-range nozzle to facilitate a greater spraying radius.
- In order to ensure the adequate watertightness of the substrate, the material must be sprayed as uniformly as possible, covering the entire application surface.
- In irregular surfaces, it is advisable to apply a first regularization layer to cover any cavities, cracks, etc. or to apply a 5 mm thick layer of the adhesive mortar.
- The mineral or glass wool insulating panel is fixed with the fresh mortar, thereby ensuring correct overlapping of the panels.
- It is advisable to use a roller to exert a more uniform pressure throughout the mineral wool insulating panel.
- In very cold and humid geographical areas, the joints must be sealed using adhesive tape.

Usage limits

Do not use:

- On gypsum, wood, plasterboard or painted surfaces.
- In places where water may pool.

Cleaning

Clean any residue on the tools and coated surfaces with water before the product hardens.

Technical data

Consumption
+/- 1,8+/- 0,3 kg/m² and mm of thickness.
Supply
Containers: 25 kg plasticized paper bags.
Colour: grey.
Product
Composition: grey cement, selected siliceous aggregates, waterproofing agents and special additives.
Apparent density of the powder: 1,50 +/- 0,10 kg/litres.
Storage
Twenty-four months from date of manufacture in a sealed package and protected from the weather.

Application
Mixing water: 6 – 6,5 litres/25 kg approx.
Useful life of the mixture: 90 minutes.
Open time: 20 minutes (depending on weather conditions).
Application thickness: 3 - 5 mm.
Water retention: greater than 90 %.
Paste density: 1,50 +/- 0,10 kg / litre.
Application temperature: from +5 °C to +35 °C (measured on the substrate).
Ultimate performance
Compression resistance: greater than 10 N/mm²
Flexo-traction resistance: greater than 2,5 N/mm²
Capillary absorption: less than 0,05 kg/m² min^{0,5}.
Water vapor permeability: greater than 5 g cm/m² day mmHg.
Adherence: greater than 0,3 N/mm² – FP: B
Thermal conductivity: λ=0,47W/m K.
Reaction to fire: Euroclass A1.

Environmental classification

GlobalEPD
VERIFIED ENVIRONMENTAL DECLARATION

Award points:

BREEAM® LEED VERDE

Safety data

GHS07 GHS05

Hazard

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary

P102 Keep out of reach of children.

P103 Read label before use.

P261 Avoid breathing dust.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy. Continue rinsing.

P310 Immediately call a **POISON CENTER** or doctor.

P501 Dispose of contents / container in accordance with current legislation waste treatment.

1999/45/CE The product contains Chromium VI reducer, declared the period of effectiveness is indicated on the packaging.