GECOL **Term**

WATERPROOF

Machine sprayable ADHESIVE

Deformable adhesive mortar for installing thermal insulation panels.

CLASSIFICATION ON INDOOR AIR QUALITY*

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).

Excellent adherence to all types of insulating panels: mineral wool (MW), expanded polystyrene (EPS) and extruded polystyrene (XPS).

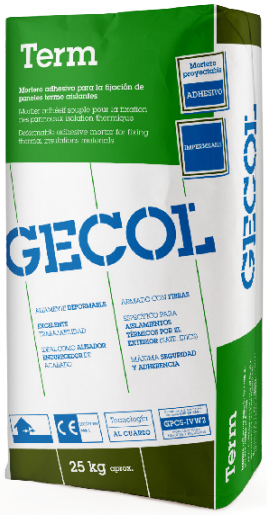
Specific for External Thermal Insulation Systems.

Suitable as a smoother and hardener for finishes.

Impermeable to rainwater. Permeable to water vapor.

Does not propagate flames.

Fiber-reinforced.



Uses

Quality

QUARTZ Technology

ETA European Technical Assessment ETA-12/0408

Regulations

CE ACCORDING EN:998-1

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 998-2** 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

- Suitable for executing External Thermal Insulation Systems using large-format, non-absorbent plates with different functions, such as: adherence, leveling, hardening and finish smoother.
- Valid for all types of expanded polystyrene, mineral wool and extruded polystyrene insulating plates (skinned), cement boards with fiberglass veil, etc.

Directions for use

1_Before getting started

- In very wet weather conditions, with rain or risk of frost, surface carbonation or white stains can occur.
- The carbonation phenomenon could also appear a few days after application (approximately 10 days afterwards) in cold, wet and rainy weather conditions.
- Therefore, it is advisable to protect the cladding with awnings during this period to minimize the problem.
- In warm weather, full sun or strong wind, take measures to prevent excessively fast drying, which results in a loss of coating hardness (rewet).
- When priming with the same product to regulate the substrate, check its hardness before applying the finish coat (rehydrate if not in a vitreous state, due to having suffered dehydration for the aforementioned causes).
- Variations in the quantity of mixing water and in the mixing method used (number of bags introduced in the mixer, mixing time, etc.) give rise to variations in color and texture.
- Do not add additional water during the surface finish, since this can cause cracking and discoloration in the finish.
- Do not remix the product residues that have started to harden with more water.
- In unions between substrates of different natures, it is advisable to reinforce the mortar with mesh.
- The insulating plates to be installed must never cover the building's expansion joints.
- Protect the upper part of the façade to avoid possible water leaks (flaps, drain pipes, railings, etc.).
- Do not add cement, sand or other substances that could affect the properties of the material.
- In all rehabilitations, perform thorough curing down to the original substrate.
- 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.
- Substrate types and conditions:

A. Concrete substrate:

Solid and clean with excellent resistance with all concrete shrinkage complete.

Prevent all surface grout and/or release agents by cleaning mechanically or washing with **GECOL Desincrustante**.

Rinse with clean water and let dry.

B. Cement mortar substrate:

Solid and clean with excellent resistance with all mortar shrinkage complete.

When applying via mechanical projection, wet down several times two days afterwards to prevent drying out. Apply a floated finish in all cases.

C. Mineral wool, expanded or extruded polystyrene (skinned) insulating plate substrate:

Solid and clean.

Avoid all superficial dirt and humidity (dew) that may remain on the surface.

It is advisable to check the stability of said substrate.

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

- Fixation of the insulating plates to the substrate:

  • Application using a toothed trowel:

  Spread and brush the **GECOL Term** adhesive using a toothed trowel.

  In this type of application we obtain a homogeneous distribution of the adhesive throughout the plate. Eliminate the the plate band nearest the perimeter (approximately 2 cm).

  This working method is recommended in the case of substrates with correct planimetry.

  • Thick-bed cordon application.

  Apply a cordon of **GECOL Term** 4-8 cm wide and 2-4 cm thick along the perimeter of the plate and three gobs in the center of the plate.

  Install the plate on the section.

  Once the plate has been fixed to the substrate, it must have an adhesion surface of at least 40%.

  This method allows the rectification of vertical sagging of up to 1 cm.

- The plates are installed from the bottom upwards, alternating their vertical joints.
- The adjustment of the plates is achieved by exerting pressure with a board or framing square and their planimetry is continuously controlled using a ruler.
- Once the adhesive setting time has elapsed, they are cut and the protruding parts sanded down.
- In the rehabilitation of old buildings, it is advisable to reinforce the fixation of the plates mechanically by means of polypropylene nails, at intervals of 6–8 per m2.
- Apply a first layer, cladding the surface with mesh by exerting pressure with the trowel and overlapping mesh joints at least 10 cm, including angles and corners.
- Once the first layer is dry, apply a second layer so as to completely cover the mesh.
- Once the hardening layer has completely dried, apply any of the decorative finishes of the **GECOL TERM ETICS System**.

Usage limits

- Do not use:
- On gypsum, metal, cellular concrete, 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

Bonding: 4 – 5 kg/m^2 (toothed trowel).

Regularization: 1,2 +/- 0,3 kg/m^2 and mm thickness.

Supply

Containers: 25 kg plasticized paper bags.

Colour: grey.

Product

Composition: special cements, pozzolans, siliceous aggregates of compensated granulometry, organic and inorganic additives and fiberglass.

Apparent density of the powder: 1,40 +/- 0,10 kg/litres.

Storage

Twenty-four months from date of manufacture in a sealed package and protected from the weather.

Application

Mixing water: 4.5 – 5.5 liters/25 kg approx.

Useful life of the mixture: approx. 120 minutes.

Application thickness used as a regularizer: 3 - 5 mm.

Application thickness used as an adhesive: 0.5 - 40 mm.

Open time: 20 minutes (depending on weather conditions).

Application temperature: from +5 °C to +35 °C (measured on the substrate).

Prestaciones finales

Density of the hardened product: 1,50 +/- 0,10 kg/litre.

Compression resistance: greater than 6 N/mm^2

Flexo-traction resistance: greater than 3 N/mm^2

Capillary water absorption: W2; c≤ 0,2 kg m^{-2} h$^{-0,5}$.

Adherence: greater than 0,3 N/mm^2 – FP: B.

Water vapor permeability coefficient: μ≤ 20

Thermal conductivity: λ= 0,44 W/m K (P= 50%)

Reaction to fire: Euroclass F.

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.