

# GECOL Flexible rápido

A one-component, high-performance, ultra-fast curing deformable adhesive



Ultra-fast curing (two hours).

Suitable for the application of all kinds of ceramics and natural or engineered stones, including thin pieces (3 mm).

Excellent performance under the most compromising conditions:

- High vehicular traffic pavements.
- Cladding on façades.
- Radiant heat flooring.
- Overlaying of ceramic tiles without applying a primer for adhesion.

Thanks to its ultra-fast curing, it prevents the appearance of stains on marbles, granites, natural or reconstituted stones.

Powerful wetting effects. Excellent wetting effect capabilities on both the substrate and the ceramic.

Highly thixotropic No vertical slip.



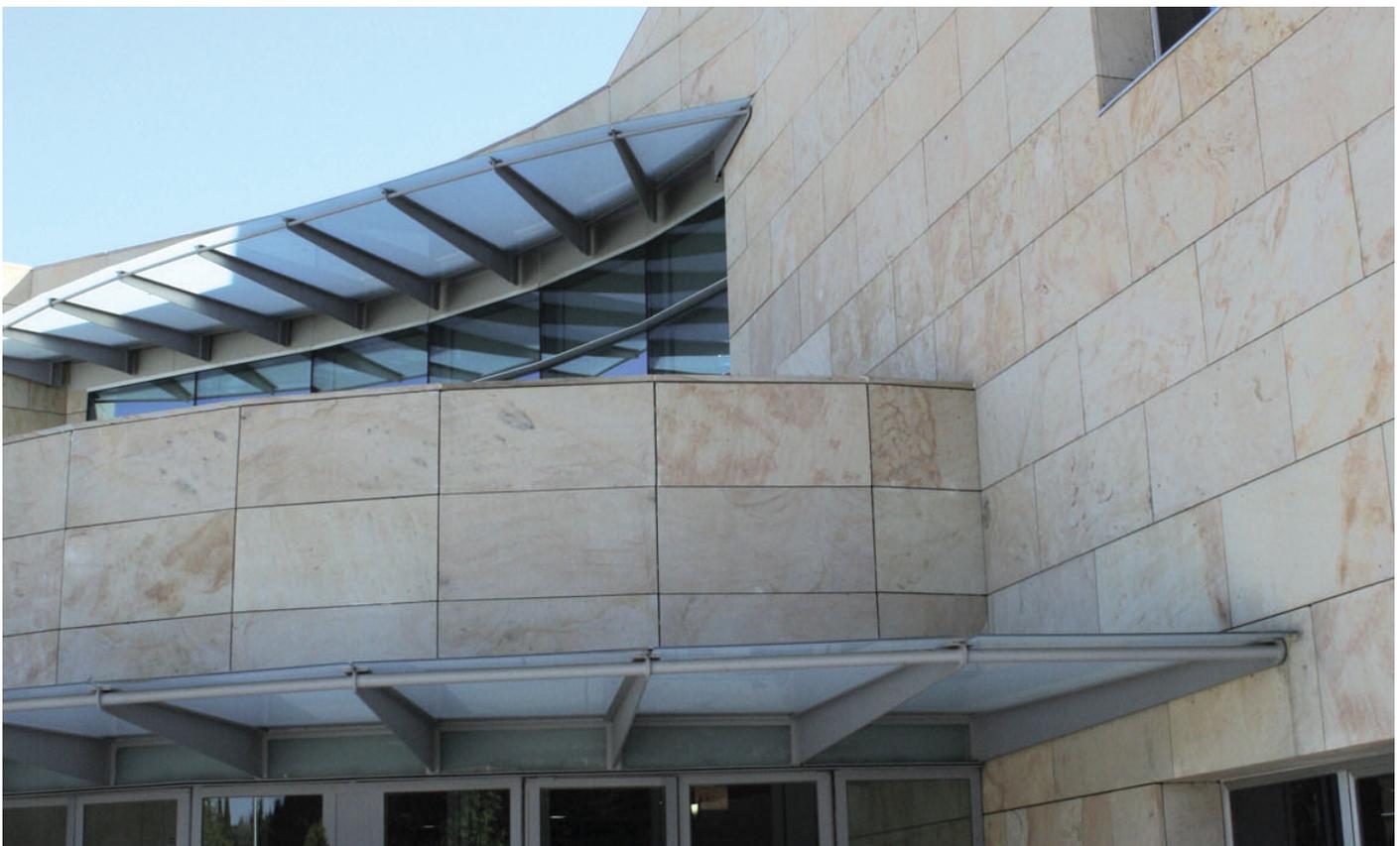
Uses



Quality

QUARTZ  
Technology

Regulations



## Fields of application

Deformable cement-based and ultra-fast adhesive suitable for the application of all kinds of ceramic tiles and natural or engineered stones:

- Porcelain tiles.
- Non-absorbent ceramic pieces.
- Large-format ceramic partition walls.
- Clinker.
- Thin ceramic pieces (3 mm).
- Thin (3 mm) mesh-backed ceramic panels.
- Terracotta.
- Vitreous mosaic.
- Polymer concrete coping stones on horizontal surfaces.
- Natural and engineered stone.
- Marble, granite, limestone, etc.

Suitable for application on interior and exterior floors and façade cladding for domestic, commercial and industrial use and for urban furniture, including in areas subject to sudden temperature variations, on the following substrates:

- Cement rendering.
- Cementitious flooring.
- Precast or poured on-site concrete.
- Heavy traffic flooring.
- Plasterboard panels.
- Heated and cooled flooring.
- Overlaying of tiles without having to first apply a primer for adhesion.
- Cement blocks.
- Cement-based waterproofing products.
- Substrates made of gypsum plaster, plaster, anhydrous plaster, perlite plaster and similar materials (after applying **GECOL Primer-TP**).



## Directions for use

### 1\_Before getting started

- For flooring with radiant heating, we recommended that the heating be turned off 24 hours in advance.
- During application, prevent water from penetrating between the substrate and the piece and provide protection for cornices, gutters, etc.
- In façade cladding with large-format ceramic partition walls, we advise applying the back buttering technique.
- To prevent lippage, adhesive thicknesses should be uniform.
- With tiles larger than 60 x 40 cm or 40 kg/m<sup>2</sup>, use a mechanical anchoring of all the pieces attached to the base substrate.
- When applying thin (3 mm) panels or mesh-back natural stones, we recommend previously applying a thin, 2 mm layer of adhesive on the back face of the piece (meshed area).

- We advise a joint spacing of 3 mm between tiles indoors and 5 mm between those outdoors.
- Depending on the size format of the tile to apply, we recommend the use of different trowels, as shown in the table:

Notched trowel table		
Tile format	Notched trowel	Adhesive method
< 100 cm <sup>2</sup>	U4 (4x4x4)	Simple buttering
< 450 cm <sup>2</sup>	U6 (6x6x6)	Simple buttering
< 900 cm <sup>2</sup>	U6 (6x6x6) / U9 (9x9x9) ó 110	Double / Simple buttering
> 900 cm <sup>2</sup>	U9 (9x9x9) ó 110	Double buttering

- If in doubt, always consult our Technical Department.

## 2\_Substrate preparation

- As a general rule, all substrates must be: sturdy, clean, stable, rough, flat, with some degree of moisture and absorption and totally set-up (hardened).
- On porous substrates or in warm weather, the substrate must be previously moistened and you must wait for the film of water to disappear
- Substrate types and conditions:

### A. Cement mortar substrate:

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

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

### B. Concrete substrate:

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

Prevent all surface grout and/or release agents by cleaning mechanically or washing with

**GECOL Desincrustante.**

Rinse with clean water and let dry.

### C. Terrazzo substrate:

Check the old terrazzo tiles to ensure they are sound.

Wash with **GECOL Desincrustante.**

Rinse with clean water and let dry.

### D. Ceramic/porcelain tile substrate (interiors only):

Sound and well-bonded.

Clean with water and detergent, rinse and let dry.

### E. High-absorption substrates:

We recommend the application of a coat of **GECOL Primer-TP** to reduce water absorption, harden the surface and facilitate the adhesive spreading.

## 3\_Preparation of the mix

- Mix the product with clean water until you have 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 due to retraction during the plastic phase of drying, reducing its ultimate performance, as well as result in a poorer application of the adhesive.



## 4\_Application

- Apply **GECOL Flexible rápido** on the substrate.
- Align the tiles with the use of spacers.
- Screed the thickness with a notched trowel chosen based on the format of the ceramic tile and the flatness of the substrate, ensuring that the back of the tile is thoroughly wetted.
- Check that the tile does not have any dust, dirt or poorly attached layers.
- For good adhesion, we recommend that a thin layer of **GECOL Flexible rápido** be applied on the substrate using the flat side of the trowel, followed by the application of the desired thickness of the adhesive using a notched trowel suitable for the tile type and format.
- We recommend using the double buttering technique in cases such as those involving large-format pieces, flooring subject to heavy loads, materials to be polished, etc.

- It is not necessary to wet the tile before placing it. Only if the back of the tile is very dusty do we recommend washing it with clean water.
- Apply the tile and pack it solidly until the mark or groove left by the notched trowel is broken, periodically checking the stickiness of the pasta (lifting up the tile already installed).
- Under normal temperature and humidity conditions, **GECOL Flexible rápido** has an open time of 30 minutes. However, bad weather (strong sunshine, a drying wind, high temperatures) and a highly absorbent substrate could significantly reduce this time.
- The adhesive should be checked regularly to ensure there is no skinning of the adhesive and that it is fresh. Otherwise, it should be re-combed with a notched trowel, but never wet the adhesive.

## 5\_Grouting

- For sealing joints, we recommend using specific materials like products of the **GECOL Junta** range.
- When a good chemical resistance is required, use anti-acid epoxy compounds such as **GECOL Epoxi**.
- Take care to preserve movement joints on any structural joint the building has.

### Limits of use

#### Do not use:

- On metal, plastic or concrete coated with a thin sealing film lacking optimal consistency.
- Do not apply if the substrate has a moisture content above 3 %.

Coverage
Simple buttering technique: +/- 3 - 3.5 kg/m <sup>2</sup>
Back buttering technique: +/- 6 - 6.5 kg/m <sup>2</sup>
Supply
Packages: 25 kg plasticised paper bags
Colour: grey
Product
Composition: special cement, silica and/or limestone sand, selected nanotechnological additives and plastic copolymers
Apparent density of powder: 1.15 +/- 0,10 kg/litre
Storage
Twelve months from date of manufacture in a sealed package and protected from the weather

- Perimeter movement joints in corners and changes in plane, height or material.
- Movement joints that constitute maximum surface areas of 50 m<sup>2</sup> indoors, 25 m<sup>2</sup> outdoors and 16 m<sup>2</sup> with dark colours on exterior surfaces.
- All movement joints should be filled with elastic mastic like **GECOL Elastic-MS**.

### Cleaning

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

Application	
Mixing water:	7 - 7.5 litres/25 kg approx.
Pot life of the mix:	30 minutes
Open time:	30 minutes
Stand time:	5 minutes
Grouting:	after two hours on concrete substrates and three hours on enamelled substrates
Traffic bearing:	three hours on concrete substrates and five hours on enamelled substrates (depending on weather conditions)
Heavy traffic:	six hours on concrete substrates and ten hours on enamelled substrates (depending on weather conditions)
Surface polishing:	after three days
Thickness for tile application:	from two to ten mm
Application temperature:	from +5 °C to +35 °C (measured on the substrate)
Ultimate performance	
Deformability:	> 2.5 mm
Working temperature:	from -30 °C to +80 °C
Initial adhesion strength:	greater than 1.0 N/mm <sup>2</sup>
Adhesion after water immersion:	greater than 1.0 N/mm <sup>2</sup>
Adhesion after heat ageing:	greater than 1.0 N/mm <sup>2</sup>
Adhesion after a freeze-thaw cycle:	greater than 1.0 N/mm <sup>2</sup>
Adherence at 24 hours:	greater than 1.0 N/mm <sup>2</sup>
Reaction to fire:	Euroclass F

### Warnings

Prior to the use of this adhesive, we recommend consulting the instruction manual. The information provided in this technical documentation has been obtained under standard laboratory conditions, and so may vary depending on the on-site installation and on the specific weather conditions, which are beyond our control.

**GECOL** guarantees that their auxiliary products will perform flawlessly in the situations listed. Materials from other brands or situations other than those described can affect the physical and aesthetic properties of our products.

### Safety data

#### DANGER



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 / EC

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