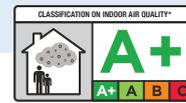


GECOL Reparatec R2



Monocomponent mortar for the aesthetic repair of concrete.



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

Thixotropic. No running.

Fiber-reinforced.

Resistant to marine environments, aggressive water and outdoors.

High mechanical performance.

Chloride-free.

Superficial and cosmetic repair and sealing of pores of concrete substrates or mortars.

Repair of the detachment of surface grouting during removal of formwork.



Uses	Quality	Regulations

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 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 has been obtained under standard laboratory conditions, so they may vary depending on the installation and the particular environmental conditions, which are beyond our control.
- The marking of this product is set in accordance with the provisions established in **UNE EN 1504-3** Norms and exclusively under the conditions that it indicates for the technical analysis and continued verification of the regularity of the product.
- **GECOL** guarantees the perfect behaviour of its auxiliary products to the indicated situations. Materials from other brands or situations not described can affect the physical and aesthetic properties of our products.

Fields of application

Suitable for interior and exterior repair and regeneration of damaged concrete substrates, fine rendering on concrete, resistant cements, standard concrete block, etc. requiring a high-strength mortar, and for:

- Pillars, columns, beams, balconies, overhangs and retaining walls.
- Concrete block flooring.
- Walls, ceilings and floors.
- Exposed or buried concrete.
- Superficial regularization of all types of concrete: gunning, formwork and concrete slabs.
- Repair work on edges, reprofiling of joints, etc.

Directions for use

1_Before getting started

- For large-sized corners and edges or thick-bed applications, use clean and smooth screeds or panels as formwork.
- In hot weather, full sun or when it is windy, take measures to prevent too-rapid drying resulting in a loss of coating hardness (rewet).
- Do not use the product in humid weather, when it is raining or when frost is expected, since surface carbonation may appear and, consequently, a variation of the original colour.
- In joints between vertical and horizontal surfaces, widen the joint by cutting it up to 10 mm wide and then remove the cut material.
- Do not add additional water during the surface finish, since this can cause cracking and discoloration in the finish.
- Respect substrate separation and retraction joints, and intersections of working surfaces.
- 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

- Generally, 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.
- The substrates will previously be moistened until saturation, starting to apply the product when the surfaces acquire a matt appearance.
- If there are unprotected reinforcements (in whole or part) it will be necessary to completely remove the remnants of concrete surrounding the structure.
- Metal elements (armors) must be free of rust; always remove it with a wire brush or sandblasting and protecting it against corrosion.
- On porous substrates, wet to saturation, avoiding any waterlogging.
- Primer is not required on prepared and rough surfaces.
- When a bond bridge is required, apply **GECOL Reparatec R2** with a creamy consistency, adding 1 litre of **GECOL Látex** to the mixing water.

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 settle 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

- Apply **GECOL Reparatec R2** to the surface to be repaired.
- Fill and compact in successive layers, applying it when the previous layer has begun to harden.
- In applications with a bonding bridge, it must be ensured that this is still fresh when the repair mortar ("wet on wet" technique) is applied, pressing heavily on the mortar with a trowel against the substrate.
- The finish is executed by floating **GECOL Reparatec R2** using a suitable tool (plastic sponge trowel, EPS wood trowel, etc.) or smoothing with the trowel.
- Protect the repair mortar during hardening, thereby avoiding excessive drying and favouring the correct curing of the product.

Usage limits

Do not use:

- On gypsum plaster, wood, plasterboard or painted surfaces.
- Does not resist substrate cracking.

Cleaning

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

Technical data

Consumption

1,8 kg +/-0,3 kg/m² 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 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: 4 - 4,3 litres/25 kg approx.

Useful life of the mixture: 20 to 30 minutes.

Application thickness: 5 to 50 mm.

Maximum thickness per coat: 20 mm.

Paste density: 2,00 +/- 0,10 kg/litre.

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

Ultimate performance

Density of hardened product: 2,10 +/- 0,10 kg/litre.

Compression resistance: greater than 25 N/mm²

Flexo-traction resistance: 8 N/mm²

Capillary absorption: less than 0,5 kg m² h^{-0,5}.

Adhesion: greater than 0,8 N/mm²

Freeze-thaw cycles: greater than 0,8 N/mm²

Controlled retraction/expansion: greater than 0,8 N/mm²

Chloride ion content: less than 0,05 %.

Reaction to fire: Euroclass A1.

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