

GECOL Junta epoplus



Mortar grout epoxy, bicomponent, high-performance, reactive resins, for thicknesses from 2 to 15 mm

Suitable for use on all kinds of ceramic tiles, natural and/or engineered stones, thin pieces (3 mm) and even rectified tiles.

Resists chemical and bacteriological attack

Sealed joints without shrinkage.

Easy application and cleaning.

High resistance to aging. Anti-stains.



Uses



Quality



Regulations



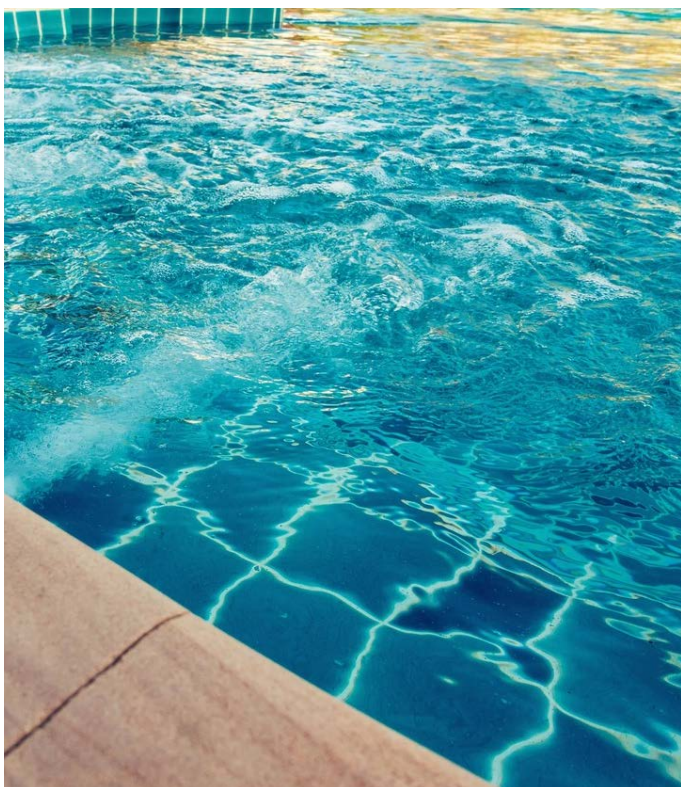
Areas of application

Bicomponent mortar based on epoxy resins, suitable for grouting all types of ceramic tiles and natural and / or reconstituted stones:

- Porcelain tiles
- Non-absorbent ceramic pieces
- Large-format ceramic partition walls
- Clinker
- Thin ceramic pieces (3 mm)
- Terracotta
- Vitreous mosaic
- Natural and engineered stone
- Marble, granite, limestone, etc.
- Rectified ceramic tiles

Suitable for placement in indoor and outdoor pavements and coatings for domestic, commercial, industrial use, in chemical, food, galvanic, paper mills, cheese factories, breweries, slaughterhouses, canneries, tanneries, etc. Ideal for health centers (operating rooms, kitchens, waiting rooms, etc.), swimming pools (high salinity, thermal waters, showers, aggressive water tanks, sewage treatment plants, etc.), laboratories (pavement, tables), etc. and street furniture, even in areas subject to sudden temperature environments, on supports of:

- Cement rendering.
- Cementitious screeds
- Concrete
- Pavements of intense traffic.
- Special supports such as: metals, epoxy flooring, tile overlay, polyester, etc.



Directions for use

1_Before getting started

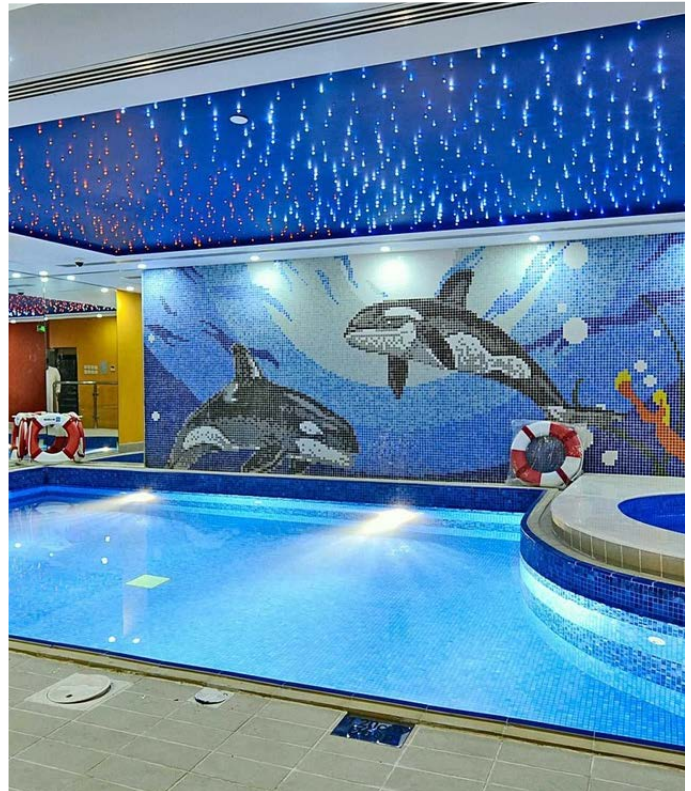
- Follow the instructions on the proportions of the mix.
- Apply in small sections, cleaning as it is being placed.
- Properly protect products sensitive to stains (limestone, ceramic products, polished products, etc.).
- Remove excess product as placement is made. once hardened, the product cannot be removed
- If in doubt, always consult our Technical Department.

2_Substrate preparation

- Protect porous or rough tiles with a primer to prevent them from becoming stained and also to facilitate the subsequent cleaning of these tiles.
- Before grouting, make sure that the application of the ceramic tiles has been done properly and that the tiles are completely anchored to the substrate.
- Substrates must be completely dry.
- When grouting, follow the wait time listed on the technical data sheet of the adhesive used.
- In order to avoid differences in the shade of the colour, joints should be clean of dust, flaky parts and adhesive residue. They should be of uniform depth – equal at least equal to 2/3 of the total thickness of the coating.
- Take care not to get any adhesive residue or cement mortar on the edges of the tiles so that **GECOL Junta epoplus** bonding effect is not impeded.

3_Application

- Prior to application, mix the two **GECOL Junta epoplus** components in its whole with a slow electric mixer (500 rpm) until a soft and completely mixed mass is obtained.
- Apply evenly over the surface of the tile with the help of a rubber trowel or spatula.
- Fill all joints and eliminate any excess product from the surface by moving the trowel diagonally across the joints while the mixture is still fresh.
- Let the mixture harden, at least until it is no longer plastic.
- Remove any excess product using a clean, damp cellulose sponge, rinsing it frequently with hot water.
- If cleaning occurs at an early stage of curing while the paste is still in the plastic phase, the joints may be partially emptied.
- Clean using a clockwise rotary movement to remove the film of hardened material on the tiles.
- Avoid the use of esparto grass, since this can damage and dirty the joint.
- For even application, it is very important for the sponge to be hard, fairly thick and large, and this will prevent a reduction in the joints.
- However, it is recommended to pick the epoxy mortar up carefully with a soft sponge.
- Residual haziness on the tiles should be avoided.
- We recommend washing the sponge and changing the water often.
- Finish up the cleaning job with a dry cloth.



Limits of use

Do not use:

- In expansion joints where it is necessary to fill with elastic mastic like **GECOL Elastic-MS**

Cleaning

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

For a better cleaning of the tools, it is recommended to use **GECOL Disolvente epoxídico**.

Resistencia a las sustancias

Resistance to acids

Product	Concentration	+ 20 °C	+ 50 °C
Acetic	2,5 %	+	+
	10 %	*	-
Acrylic	2,5 %	+	+
	10 %	-	-
Citric	10 %	+	+
	40 %	+	*
Hydrochloric	37 %	+	*
Chromic	20 %	*	*
Hydrofluoric	5 %	+	+
Formic	2,5 %	*	*
	10 %	-	-
Phosphoric	50 %	+	-
	75 %	+	-
Humic		+	+
Lactic	2,5 %	+	*
	10 %	*	-
Maleic		-	-
Nitric	25 %	+	-
	50 %	-	-
Pur oleic	100 %	-	-
Oxalic	10 %	+	*
Sulfuric	1,5 %	+	*
	50 %	+	*
	75 %	-	-
Tannic	10 %	+	+
Tartaric	10 %	+	+
Uric		+	+

Resistance to fats, oils and fuels

Product	+ 20 °C	+ 50 °C
Diesel oil	+	+
Gasoline	-	-
Animal fat	+	+
Nut oil	+	+
Olive oil	+	+
Motor oil	+	+
Paraffin	+	+
White spirit	+	+
Turpentine	+	*

Resistance to alkalis and salt solutions

Product	+ 20 °C	+ 50 °C
Ammonia solution (25%)	+	*
Legia	+	+
Sodium hypochlorite	-	-
Caustic soda (50%)	+	+
Caustic potash (29%)	+	+
Hydrogen peroxide (1%)	+	-
Hydrogen peroxide (10%)	+	-
Potassium permanganate (5%)	*	-
Potassium permanganate (10%)	*	-
Sodium chlorate	+	+
Sodium chloride	+	+
Calcium chloride	+	+
Iron chloride	+	+
Sodium chromate	+	+
Sodium thiosulfate	+	+
Potassium sulfate and ammonium sulfate	+	+
Calcium sulfate	+	+
Sugar	+	+

Resistance to solvents

Product	+ 20 °C	+ 50 °C
Acetone	-	-
Formol	+	+
Methanol	-	-
Perchloroethylene	-	-
Phenol in water (1%)	+	+
Tolueno	-	-
Trichloroethylene	-	-
Glycerin	+	+
Methylglycol	-	-
Dibutyl phthalate	+	+
Dichloroethane	-	-
Ethylene glycol	+	+
Picolina	-	-
Methyl isobutyl ketone and methyl ethyl ketone	-	-

- + Insensitive to the product considered.
- * Resistant to contact of short duration. The product must be removed immediately after contact.
- It is altered by the product considered

Consumption

Formula for the consumption calculation:

$$\frac{(A + B)}{(A \times B)} \times C \times D \times 1.6 = \text{kg/m}^2$$

Where:

A: length of tile (mm) **C:** thickness of the tile (mm)
B: width of the tile (mm) **D:** width of the joint (mm)

Estimated consumption (*)

mm	2,5 x 2,5 (gresite)	5 x 5	10 x 10	15 x 15	20 x 20	30 x 30	40 x 40	60 x 30	50 x 50	60 x 60
2	1	0,6	0,5	0,3	0,3	0,2	0,2	0,2	0,1	0,1
3	-	-	0,8	0,5	0,4	0,3	0,2	0,2	0,2	0,2
5	-	-	1,3	0,9	0,6	0,5	0,4	0,4	0,3	0,3
7	-	-	-	1,4	1,0	0,9	0,6	0,6	0,4	0,4
10	-	-	-	-	1,3	1,1	0,8	0,8	0,5	0,5
15	-	-	-	-	-	1,6	1,3	1,2	0,7	0,7

(*) Consumption varies based on the dimensions of the ceramic tile and the width and depth of the joint (kg/m²)

Supply

Containers of 4 kg (A: 3.70 kg hardener and B: 0.3 kg resin)

Colours: White, light grey, dark grey, black, beige and chocolate.
 For other colours of the letter, ask availability

Product

Composition: epoxy resin, hardener and siliceous aggregates.

Mixed density: 1.50 +/- 0.10 Kg/litre

Storage

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

Application

Pot life of the mix:	60 minutes (depending on weather conditions)
Joint width:	from 2 to 15 mm
Filling of joints: (in all cases moisture of the support less than 3%)	
- About adhesive:	see characteristic data of the adhesive
- On cement mortar:	7 - 10 days in pavements and 2 - 3 days in coatings
Transitable:	8 hours (depending on weather conditions)
Commissioning:	14 hours (depending on weather conditions)
Swimmingpool refill:	After 7 days (depending on weather conditions)
Application temperature:	from +10 °C to +30 °C (measured on the substrate)

Ultimate performance

Service temperature:	from -30 °C to +80 °C
Compressive strength after dry storage:	≥ 40 N/mm ²
Compressive strength after freeze-thaw cycle:	≥ 40 N/mm ²
Flexural strength after dry storage:	≥ 30 N/mm ²
Flexural strength after freeze-thaw cycle:	≥ 30 N/mm ²
Retraction:	≤ 1.5 mm/m
Resistance to abrasion:	≤ 300 mm ³
Water absorption after 30 minutes:	≤ 0.5 grams
Water absorption after 240 minutes:	< 0.1 grams
Resistance to temperature:	from -30 °C to +80 °C
Reaction to fire:	Euroclass E

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

Component A
HAZARD



ATTENTION

GHS07

Indications of danger:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H412 Toxic to aquatic organisms, with long-lasting harmful effects.

Prudence advice

P261 Avoid breathing dust / fume / gas / vapors / spray.

P273 Avoid release to the environment.

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

P321 Specific treatment is needed (see label)

P337 + 313 If eye irritation persists, consult a doctor.

P362 + 364 Remove contaminated clothing and wash before reuse.

P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

VOC limit value (Cat A /) <500 g / l

This product contains less than 500 g / l

Component B
HAZARD
UN 1760



ATTENTION

GHS07

GHS05

Indications of danger:

H302 + 312 Harmful in case of ingestion or in contact with skin.

H314 Causes severe skin burns and serious eye damage.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic organisms, with long-lasting harmful effects.

P260 Do not breathe dust / fume / gas / vapors / spray.

P264 Wash hands thoroughly after handling.

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

P303 + P361 + P353 **IF ON SKIN (or hair):** Immediately remove all contaminated clothing. Rinse the skin with water / shower.

P305 + P351 + P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if it is worn and it is easy. Continue clarifying.

P310 Immediately call a TOXICOLOGY CENTER / doctor.

P321 A specific treatment is needed (see label).