

# GECO



## JOINTFILL EPOXY

THREE-COMPONENT EPOXY GROUT  
FOR TILE & STONE JOINTS



STAIN-FREE



RESISTANT  
TO MILD  
CHEMICALS



RESISTANT  
TO ABRASION  
& IMPACT



HYGENIC &  
IMPERVIOUS



## Jointfill Epoxy

GECO JOINTFILL EPOXY is a high-performance epoxy grout designed to deliver superior strength and lasting beauty. It is resistant to water, stains, mild chemicals and everyday wear, ensuring vibrant joints that remain clean and durable over time. It provides a smooth, flawless finish with superior adhesion and effortless upkeep.

### Features



#### Stain-free and easy to clean

The non-porous epoxy surface prevents stains from penetrating and allows effortless cleaning with minimal maintenance.



#### Resistant to mild chemicals and acids

Withstands exposure to common household chemicals and mild acids without losing strength or appearance.



#### Resists bacterial growth

Its impervious structure does not support bacterial or fungal growth, helping maintain a cleaner and safer surface.



#### Good resistance to abrasion and impact

Designed to endure heavy foot traffic, abrasion, and minor impacts without chipping or wearing down.



#### Hygienic, hard wearing, and impervious

Forms a dense, non-absorbent joint that remains hygienic while delivering long-lasting durability.



#### Non-cracking or powdering

Maintains its integrity over time without cracking, crumbling, or turning powdery under normal service conditions.

### Areas of Application

GECO JOINTFILL EPOXY can be used in:

- Bathrooms, swimming pools and fountains
- Kitchens, cafeterias and institutional facilities
- Food and pharma industries
- Hospitals, health centres and laboratories
- Commercial and residential buildings

### Colours

GECO JOINTFILL EPOXY is available in 6 beautiful colours.



Note: The shades given here may slightly vary with the exact colour of the grout. Shades shown are for indication only.

## Application Procedure

### Surface Preparation

1. Check that all tiles are securely fixed, and that the adhesive has thoroughly set.
2. It is essential that the tiles are fixed in the correct manner i.e., in a solid bed of adhesive without any voids beneath the tiles.
3. Ensure the joints are dry and free from dirt and other loose materials.

### Material Preparation

1. Before use, shake the bottle of Part B (Hardener) and stir Part A (Base).
2. Add all of Part B (Hardener) to all of Part A (Base) in a suitable, clean container and mix together. If an electric drill mixer is used, mix at a slow speed (<300 rpm).
3. Slowly add the required amount of Part C (Filler) and mix until all the Part C is dispersed and a uniform colour is achieved.
4. Immediately pour the mixed grout onto the working area.

### Application Method

1. Using a hard rubber float, press the grout firmly into the joints ensuring that the joints are completely filled.
2. Work in small areas and remove as much excess grout from the tile surface as possible by striking off diagonally to the grout lines.
3. Clean off the surplus grout from tile joints and surface within 15 minutes. Initially use a rough damp textured sponge to clean the excess grout and to remove the grout residue.
4. Use the damp soft sponge in a circular motion and keep it relative to the tile surface to achieve the flush joint. Do not allow water to flow or run into ungrouted joints.
5. Clean the epoxy/water residue with a fine textured damp sponge in a circular motion, taking care not to drag epoxy grout from the joints.
6. If there is any light epoxy residue left on the tile surface, clean off using an alkaline detergent without disturbing the joint finish.

**Working Properties**

Nature	Three components (Hardener, Base & Filler)
Specific Gravity	1.78 ± 0.03
Mixing Ratio	7 Part Hardener + 18 Part Base + 75 Part Filler
Mix Consistency	Smooth paste
Pot Life	Around 45 minutes at 30 °C
Setting Time	Approx. 4 hours at 30 °C
For Joint Width	2 to 20 mm

Note: Values will vary depending on service and surface conditions.

**Technical Properties**

Property	Standard	Result
Compressive Strength @ 7 days	ASTM C579-18	900 kg/cm <sup>2</sup>
Tensile Strength	ASTM C307-2023	8.4 MPa
Bond Strength	ASTM E736-19(2023)	3.2 MPa
Water Absorption	EN 13888-2	Nil
Linear Shrinkage	ASTM 531-18	0.005%
Thermal Shock Test	ANSI A118.3	6.8 N/mm <sup>2</sup>

**Chemical Resistance**

Chemical	Standard	Exposure	Result
Acetic Acid, 10%	ANSI A118.3	14 days	Resistant
Citric Acid, 10%			
Oxalic Acid, 10 %			
Sulfuric Acid, 20%			
Ammonium Solution, 25%			
Calcium Chloride, 10%			
Ethylene Glycol			
Coffee			
Tea			
Toilet Cleaner (Acidic)			
Toilet Cleaner (Basic)			
Toilet Cleaner (Neutral)			

### Coverage

For a joint size of 3 mm width and 10 mm depth, coverage will be approximately 30 running meters per KG.

Formula to calculate coverage:

$$\text{No. of kg required} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)} \times \text{joint length (m)}}{1,000}$$

Note: Coverage will vary depending on service and surface conditions.

### Shelf Life & Storage

Shelf life is 24 months from the date of manufacturing, if stored in unopened and original packaging. Store in dry place away from direct sunlight.

### Limitations

- Light colours may darken slightly from direct UV exposure.
- Do not use this product for grouting tiles with metal decor or lustre.
- Not recommended for soft, polished marble or delicate glazed tiles.

### Precautions

- Care should be taken to avoid staining tiles when grouting unglazed floor tiles, natural stones tiles with Matt glaze or textured surfaces.
- Do not apply on wet/damp tile joints. Tile joints have to be completely dry before application.
- Do not allow the residue to remain on the surface more than 24 hrs.
- Ensure adequate ventilation during application in working places.
- Strictly do not add water.
- Apply masking tapes along tile joints while working.
- Part mixing is not allowed.
- Maximum stain resistance is achieved after 10 days from installation. Protect from exposure to acids and strong floor cleaners during this period.

Disclaimer: The product information and applications details given in this data sheet is meant to serve as a general guideline only. Users are advised to undertake a trial for product suitability prior to full-scale usage. There is no express or implied guaranty/warranty for the results. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.