

EPOSOL 2.0

WO-COMPONENT EPOXY MORTAR FOR BONDING AND GROUTING TILES – 3 TO 15 MM



Moisture
resistant



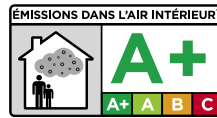
3 to 15 mm



COMPLIES WITH
STANDARD NF
EN 12004
R2



COMPLIES WITH
STANDARD NF
EN 13888
RG



ÉMISSIONS DANS L'AIR INTÉRIEUR
A+
A+ A B C



TITANIUM
(ex Grey)

Indicative colour. Refer to the CERMIX colour chart.



DESCRIPTION

Epoxy mortar for bonding and grouting any type of covering. Ideal for construction sites with very high mechanical and chemical stresses. Its viscosity, suitable for floor applications, makes it easy to use.

ADVANTAGES

- Viscosity suitable for floors. Gives a smooth and fine coat.
- Exceptional resistance to moisture, chemical and mechanical damage (P4S).
- Recommended for communal kitchens, swimming pool edges, laboratories, etc.
- Easy to mix, apply and clean.

WHERE TO USE

Expanded field of use thanks to its great mechanical and adhesion performance. For adhesion, in forming a continuous screen it prevents damaging substances from penetrating the substrate. For grouting, can be used on surfaces where chemicals are used, as it will withstand attacks from acids and alkalis. Similarly, it will withstand mechanical stresses by compression, washing, steam and water jet cleaning, blows and shocks, etc.

INTERIOR AND EXTERIOR FLOORS

- Swimming pool edges, communal kitchens, walk-in showers
- Chemical and food industries, laboratories, hospitals
- Lavatories, water-treatment plants
- Workshops, garages, buildings for livestock
- Surfaces regularly subject to high-pressure water cleaning.

SUITABLE SUBSTRATES

- DTU substrates: concrete, coatings, cement screed, plaster, etc.
- Substrates not covered by the DTU: stainless metals, etc.
Polyester, ready-to-tile shower pans (ready-to-tile panels), coated metal sheets
- Heated floors

SUITABLE COVERINGS

- Any size of ceramic or similar covering, natural stone, reconstituted stone
- Stainless-metal covering elements

SWIMMING POOLS

- See tip sheet «Applying tiles in swimming pools».

OTHER USES

- Aggressive waters in thermal and therapeutic baths, breweries, wine cellars, milking rooms, the beverage industry (fruit juices, soda, mineral water, etc.), the leather, paper, pharmaceutical and textile industries, water treatment plants including neutralization facilities.

SUITABLE COVERINGS

- Any ceramic or similar covering format, natural stone, reconstituted stone.
- Stainless-metal covering elements
- Other coverings: please ask us

HOW TO USE

The following is a typical description of application. If your site has other parameters, contact our Technical Department.



Check
surface



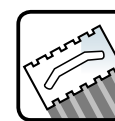
Application
temperatures



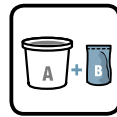
Open time
30 min



Pot life = 2 hr



U6, U9



A : 9,5 kg
per
B : 0,5 kg

PREPARATION STEPS

On some ceramic coverings, for instance, polished ceramic stoneware, cement tiles and natural stone, the surface state can make cleaning difficult after grouting. You should clean an area of the tile beforehand as a test. This will determine whether the covering needs to be treated with a sealer.

TOOLS

KITAJOINT, trowel, notched trowel, hard rubber squeegee or a plastic or stainless-steel spatula, finishing float.

SURFACE PREPARATION

- **Adhesion:** Make sure that the tiling surfaces are dry, clean, free of any traces of particles that are non-adhering or crumbly, free of grease, oil, laitance or any soiling.
- **Grouting:** Make sure that the joints are free of any foreign bodies and have even depth for good mechanical performance and even colour. (Remove excess adhesive)
- Before you begin, protect appliances that are made of acrylic or have PVC trims and other decorative features.

PREPARING THE MIXTURE

Before preparing the mortar, it is recommended to put it at the ideal working temperature by placing it for 24 hours in a room at + 20°C. Mix components A and B well in the proportions indicated on the package.

APPLICATION

Easy to apply and save time on the job site. Work at an ambient temperature between +15°C and +25°C. Higher or lower temperatures make work more difficult.

Adhesion

The mixture is spread with trowel and then notched with the trowel to the required thickness. The surface to be covered must not be larger than what can be tiled (or grouted) during the product's open time at that application temperature. Remove any excess adhesive before the product hardens. Make sure that the grooves are completely crushed. If EPOSOL 2.0 forms a continuous screen, it prevents damaging substances from penetrating the substrate.

Grouting

Use the KITAJOINT suitable for epoxy. Completely fill the joints with a hard rubber float or a plastic or stainless-steel trowel. Remove the excess straight away with the rubber scraper, perpendicular to the tile's surface and diagonal to the filled joints, to make washing easier and reduce use.

Clean the tiles immediately after application, using a sponge (like CERMIX KITAJOINT) first soaked in warm water and wrung out. Hold the sponge firmly but without applying too much pressure (to avoid hollowing out the joint), always diagonally across the filled joints. Change the water often. Never let the product polymerise (start to set): we recommend cleaning after grouting a maximum of 2-3 m².

Note: In the proper application conditions, emulsification is not needed. However, any excess epoxy on the tiles can be removed with a slightly damp finishing float (use the CERMIX range), by rubbing in gentle circles without applying pressure (so as not to hollow out the joints), then by cleaning with a sponge. If necessary, add EPONET to the wash water.

APPLICATION CONDITIONS

Make sure the area is dry and draught-free and out of direct sunlight. For outdoor applications, weather conditions must be monitored for at least 24 hours before, during and after installation, to protect the site from wind, rain and frost.

Application temperature: 15 to 25°C

Pot life: 2 hr

Practical open time: 30 min

Wait before grouting (if bonded with EPOSOL 2.0): the next day

Wait before foot traffic: 24 hr

Replacing swimming pool water: 7 days

Bringing showers into service: 48 hr

Values obtained at 23°C and 50% RH in the laboratory. Product workability and drying times are shorter in high temperatures and longer in colder temperatures.

CLEANING AND MAINTENANCE

Clean tools with warm water immediately after use and before the product hardens. Use EPONET if necessary.

COMPLEMENTARY PRODUCTS

Cleaning: EPONET

COMMENTS

Work with the least possible water to prevent hollowing out the joint and reducing its mechanical performance. Any traces of mortar on tiles must be removed immediately before hardening. Residual traces of hardened epoxy can be removed the next day with pure EPONET. For mosaics, the joint is commonly less than 3 mm, so use EPOSTYL or EPOGLASS 2.0. Do not use in swimming pools with electrolyte treatment. Ask us about specific cases.

TECHNICAL CHARACTERISTICS

APPEARANCE - COMPOSITION

Two-component epoxy-resin based mortar. Fillers with low particle size. Part A contains the binder, filler and pigments. Part B contains the hardener.

COVERAGE

Adhesion: Examples of coverage for indication, in kg/m²

Size, cm ²	S ≤ 1200	1200 < S ≤ 3600	S > 3600
Coverage*, kg/m ² (notched trowel)	3 (U6)	4 (U9)	Contact us for information

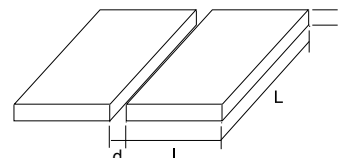
* These values do not take into account the state of the substrate and the back of the tiles. Imperfections in those are likely to increase adhesive consumption.

Grouting: Examples of coverage for indication, in kg/m²

	Tile height (mm)	3 mm joint	5 mm joint	10 mm joint	15 mm joint
20x20 cm tile	7 10	0,315 0,450	0,525 0,75	1,05 1,5	1,575 2,25
30x30 cm tile	7 10	0,21 0,3	0,35 0,5	0,7 1	1,05 1,5
45x45 cm tile	7 10	0,14 0,2	0,233 0,333	0,467 0,667	0,7 1
60x60 cm tile	7 10	0,105 0,15	0,175 0,25	0,35 0,5	0,525 0,75


$$h \times d \times \frac{L+I}{I \times L} \times 0,17$$

(in mm) (in cm)



TECHNICAL CHARACTERISTICS

Density: 1.6

 13		EPOSOL 2.0 Declaration of Performance Number EPO / 1.1 / V1.07.2013
CERMIX - Rue de la Belle Croix - 62 240 DESVRES		
EN 12004: 2007+A1: 2012 - Notified body No. 0370 Improved reactive adhesive		
Reaction to fire	Class E	
Release of hazardous substances	See the safety data sheet	
Adhesions:		
Initial shear adhesion strength	≥ 2,0 N/mm ²	
Shear adhesion strength after water immersion	≥ 2,0 N/mm ²	
Shear adhesion after heat shock treatment	≥ 2,0 N/mm ²	

REFERENCE DOCUMENTS

Complies with NF EN 13888 (joints), NF EN 12004 (adhesive) and NF DTU 52.2 and amendments (bonded tiles) and the current Technical Specifications.

PACKAGING

10 kg plastic bucket including 2 components:
Component A: 9.48 kg and Component B: 0.52 kg. 48 kits per palette

STORAGE & SHELF LIFE

Storage: 1 year if stored in the original, unopened container in a cool, dry place at a temperature between +5°C and +35°C.

SAFETY INSTRUCTIONS

- EMISSIONS IN INDOOR AIR (1): Information on the level of volatile substances emitted in air indoors, presenting a toxicity risk by inhalation, on a classification scale ranging from A+ (very low emissions) to C (high emissions).
- Consult the safety data sheet at www.quickfds.fr or ask CERMIX France for it.
- Always wear personal protective equipment that meets current guidelines and regulations.
- Dispose of the contents and container in accordance with local/regional/national/international regulations.

We reserve the right to update this technical document. It is the user's responsibility to always check whether there is a more recent version available at our website, www.cermix.com. It is the responsibility of the person using the products to ensure that the products are compatible and suitable for the planned use. Prior tests may be carried out to confirm that products behave as expected.