

EPOGLASS 2.0

TWO-COMPONENT EPOXY MORTAR FOR BONDING AND GROUTING TILES - 1 TO 10 MM



Moisture
resistant



1 to 10 mm



COMPLIES WITH
STANDARD NF
EN 12004

R2

Reactive
adhesive



COMPLIES WITH
STANDARD NF
EN 13888

RG

Reactive
grout



ÉMISSIONS DANS L'AIR INTÉRIEUR

A+

A+ A B C



BRIGHT WHITE
(ex white)



TITANIUM
(ex Grey)

Indicative colour. Refer to the CERMIX colour chart.



DESCRIPTION

Two-component epoxy adhesive and grout. Excellent mechanical and chemical resistance. Easy to handle and apply.

ADVANTAGES

- Suitable for small formats
- Closed, smooth, non-porous surface, forming a water-repellent screen
- Exceptional resistance to moisture, chemical and mechanical damage (P4S).
- Recommended for communal kitchens, public swimming pools, steam rooms, laboratories, etc.
- Easy to mix, apply and cleaning.

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 WALLS AND FLOORS

- Swimming pool basins and edges, whirlpools, spas, steam rooms, 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, polyester, ready-to-tile shower pans (ready-to-tile panels), lacquered sheet
- Heated floors

SWIMMING POOLS

See tip sheet «Applying tiles in swimming pools, FC14»

SUITABLE COVERINGS

- Vitreous glass, mosaic, etc.
- Any size of natural stone, reconstituted stone or ceramic or similar covering
- Stainless metal covering elements
- Other coverings: please ask us

HOW TO USE

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



Check
surface



Application
temperature



Open time
30 min



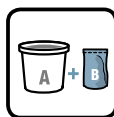
Pot life
= 2 hr



Wait for
foot traffic
24 hr



U6, U9



A: 4.742 kg for
B: 0.258 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. Empty the hardener (Doypack = component B) completely into component A (coloured). Mix well until a homogeneous paste is obtained, respecting the proportions indicated on the packaging.

APPLICATION

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 EPOGLASS 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, holding firmly, perpendicular to the tile's surface and diagonally across the filled joints, to make washing easier and reduce the amount of product used.

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. Remove any excess epoxy on the tiles by emulsifying it: rub the tiles in circles without applying pressure (so as not to hollow out the joint), with the slightly damp finishing float (CERMIX range), then clean with a sponge. If necessary, add EPONET to the wash water. Change the water often. Never allow product to polymerise (start to set). We recommend cleaning after grouting a maximum of 2-3 m².

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 EPOGLASS 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 20°C and 60% 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. In swimming pools with electrolyte treatment, use CERMIJOINT HRC metal grey (ex bronze). Ask us about specific cases. High concentrations of chlorinated products may cause white EPOGLASS 2.0 to yellow slightly.

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 (Doypack) containing 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

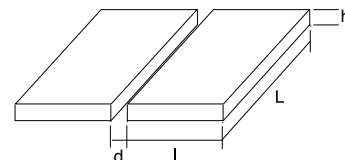
	Tile height (mm)	2 mm joint	3 mm joint	5 mm joint	10mm joint
2,5x2,5 mosaic	3	0,576	0,864		
5x5 mosaic	5	0,96	1,44		
20x20 cm tile	7	0,21	0,315	0,525	1,05
	10	0,3	0,450	0,75	1,5
30x30 cm tile	7	0,14	0,21	0,35	0,7
	10	0,2	0,3	0,5	1
45x45 cm tile	7	0,093	0,14	0,233	0,467
	10	0,133	0,2	0,333	0,667
60x60 cm tile	7	0,07	0,105	0,175	0,35
	10	0,1	0,15	0,25	0,5

h x d x 0,16

(in mm) (in cm)

h = tile height

d = joint depth

**TECHNICAL CHARACTERISTICS**

Density : 1.6

CE 13	EPOGLASS 2.0 Declaration of Performance Number EPO / 2.1 / 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

NF EN 13888 (grout), NF EN 12004 (adhesive mortar), NF DTU 52.2 and amendments (bonded tile) and Technical Specifications in force.

PACKAGING

5 kg plastic bucket containing components A (4.742 kg bucket) and B (0.258 kg Doypack): 80 buckets per pallet.

STORAGE & SHELF LIFE

1 year in the original, unopened packaging

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.