

INSTALLATION, MAINTENANCE AND CLEANING GUIDE

for KAZA products

THE IMPORTANCE OF PROFESSIONAL INSTALLATION

Customer satisfaction is highly dependent on the selection of professional contractors who are skilled in the art of applying our artistic tiles so that the prestige and value of KAZA products find their full expression.

Tile installers play an important role as partners in the process, and this quick guide to the essential ingredients of a professional tiling job is dedicated to them. Any experienced tile setter can easily install the concrete tiles.

If in doubt or in need of advice, please first contact your local distributor partner.

For further instructions:

www.kaza.com

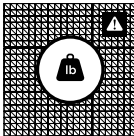
KAZA International Ltd

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GENERAL INSTRUCTIONS

Application of KAZA tiles need a great deal of skill and attention to detail. Approved competent contractors should be employed with experience of similar projects fixing natural stone or concrete products. When installing KAZA tiles on a facade, be sure that you consult the manufacturer before-hand.

KAZA tiles are manufactured to an extremely tight size tolerance, which gives the user the choice to grout the joints as in a traditional installation, or to butt joint the tiles for a seamless look, in which case no grout is necessary. The exception to this is wet areas or exterior applications, which must always be grouted to maintain the integrity of the installation. The decision regarding whether to install with or without a grouted joint should be made prior to starting installation as it will affect several steps in the installation process.

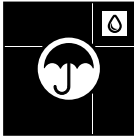


Check load bearing capacity of the substrate and always compare with the weight per square feet of the tile. For more information please check the Technical Sheets provided on our website.



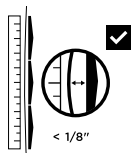
10-30 °C / 50-86 °F

Tiling operations should be carried out in ambient temperatures 10-30 °C / 50-86 °F

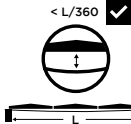


Before starting work, the background has to dry with exposure to air for not less than the following:
- concrete walls - 6 weeks
- brickwork or blocwork walls - 6 weeks
- rendering sand and cement - 2 weeks

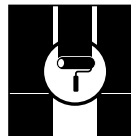
PREPARATIONS



< 1/8"



< L/360



Prepare the wall or board for the installation: smooth out irregular roughness on the surface. When a 78 ¾" with 1/8" thick feet at each end is placed anywhere on the surface, the straight edge should not be obstructed by tile and no gap should be greater than 1/8".

Existing or new walls must be as rigid as possible, any flexing should be less than L/360 over the span. Backgrounds should be sufficiently flat.

If the KAZA installation will not be grouted, it is recommended that the substrate is painted the same color as the tile.

In case of a moisture-absorbing wall, a bonding layer should be formed.

Recommended product:
Mapei Primer T, approx.: 0.030 lb/sf



In case of a non moisture-absorbing wall, a bonding layer should be formed.

Recommended product:
Mapei EcoPrim Grip, approx.: 0.040 lb/sf

PREPARATIONS

Installation on plasterboard and gypsum fibreboard walls

In case the weight per square metre of the tiles exceeds 6.55 lb/sf, the tiles must be installed row by row, starting from the lowermost. By fitting the first row to the floor, the load will be transferred downwards.

Drywall structures can bear greater loads but the paper coverage can separate from the gypsum and thus there is a risk of tiles falling down.

Installation on plasterboard*

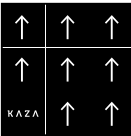
Number of plasterboard layers	Thickness	Impregnated (with silicone additives)	Minimum bracing density	Load bearing capacity	
1	8/16"	x	15 1/4"	6.55 lb/sf	standard
2	8/16"	x	23 1/4"	6.55 lb/sf	standard

Installation on gypsum fibreboard*

Number of plasterboard layers	Thickness	Minimum bracing density	Load bearing capacity	
1/2	8/16"	15 1/4"	10.24 lb/sf	recommended
1/2	8/16"	23 1/4"	10.24 lb/sf	standard

* Please note that these measures are general guidelines only, make sure to check exact specifications of the plasterboards used prior to installation.

ADHESIVES & SETTING



Always begin applying from the bottom. Where elements are not set at ground level, prepare a horizontally leveled batten on which the elements can be placed during setting.



Use clean work gloves throughout to prevent the tiles being stained or damaged.



Large areas should be processed in sections, e.g. 50 sf.



Recommended Bonding Adhesive:
Mapei Kerabond T with Keralastic Admixture

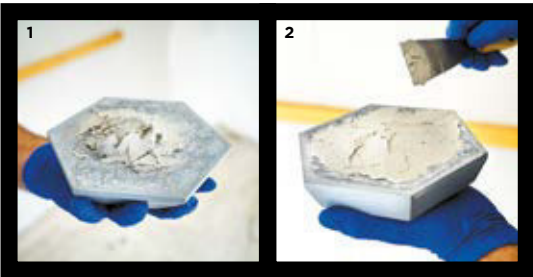
ADHESIVES & SETTING

CEMENT-BASED ADHESIVE

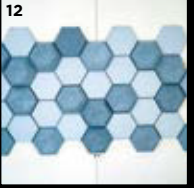
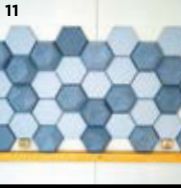
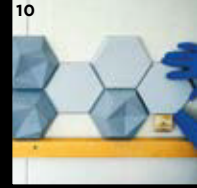
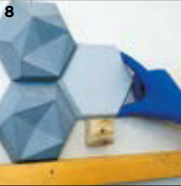
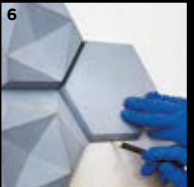


Recommended product:
Mapei Ultraflex LFT Rapid
approx.: 1.13 lb/sf/3/16"

After mixing up the adhesive according to the instructions given, apply the adhesive to the back of the product using a spatula. Leave a 3/8"-9/16" wide, adhesive-free line around the edge of the tile but be certain, once the tiles are set, there's a 100% bond between the tile and the substrate. A trowel should not be used, thus avoiding the application of too much adhesive which might squeeze out between the joints. If the adhesive still squeezes through during the application, gently remove it before it bonds. If the KAZA installation is going to be grouted, the installer can trowel thin-set on the wall as well as back buttering each tile throughout the setting process.



If the tiles are of different geometrical shapes, prepare custom made supporting elements (such as a wooden cube) which can be positioned to act as a scaffold before the assigned and positioned elements are bonded. After the adhesive bonds, these can be removed and re-used elsewhere.



ADHESIVES & SETTING

HYBRID POLYMER-BASED ADHESIVE



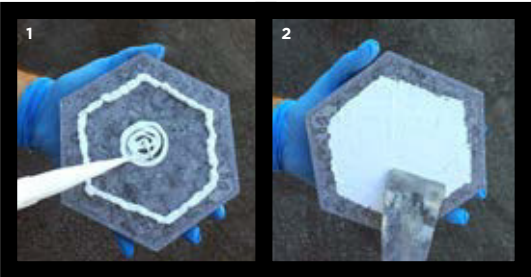
Recommended products:
Mapei Ultrabond MS rapid

Compared to the cement-based adhesives:
- cleaner usage
- faster
- more expensive

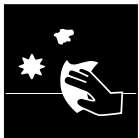
In case of using a different product, testing it first is essential.

Recommended for creating customised installations!

Like with cement-based adhesives, only apply the adhesive to the tile intended to be installed, paying attention to the quantity of adhesive applied to avoid any excess being squeezed out during installation.



AFTER SETTING



Wash immediately and thoroughly with water to remove any residue of adhesive or grout before curing.



When washing, never use abrasive sponges, strong detergents or pastes. Only ever use water and a wet cloth.



For cleaning always use cotton or other soft fabrics with normal water.

In case of residue that won't come off with water, please contact us directly.

CUTTING

KAZA tiles can be cut, but the cutting profile is then considered structurally open and is aesthetically different to the uncut edges.

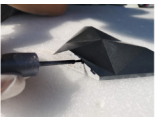


Use a new or "fresh" Ceramic Tile Saw Blade. With water on, cut slowly. After cutting, soak up water from the tile.

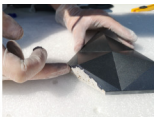
When cutting tiles, it is recommended that the cut edges are treated according to the following steps in order to prevent erosion and maintain water resistance. In the case of metallic tiles, please make sure to follow these steps.



After cutting, lightly grind the cut profile to smooth out the surface.



If chipping occurs, sand back the areas slightly.

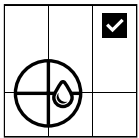


Seal the surface with a waterproof sealer



Recommended product:
Mapeflex MS Crystal, crystal clear, paintable sealant

GROUTING



Grouting is not needed, only in some cases e.g. floor application, wet areas or exterior application. Grouting can be more complex due to the textured surface.



If grouting is needed, we recommend the use of rapid-set tile grout.

Recommended product:
Mapei Ultra Color Plus Grout, 1/16"-3/8" extreme tile grout

In case of using a different product, testing it first is essential.



During installation and grouting, protect the surfaces of the tile to prevent abrasion. Use professional gloves to avoid leaving dirty spots on the surface.

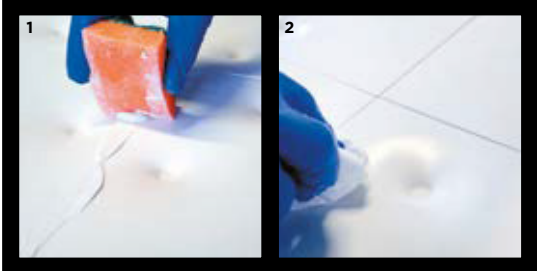


No masking is required during grouting; due to the surface treatment, the excess grouting can be easily removed.

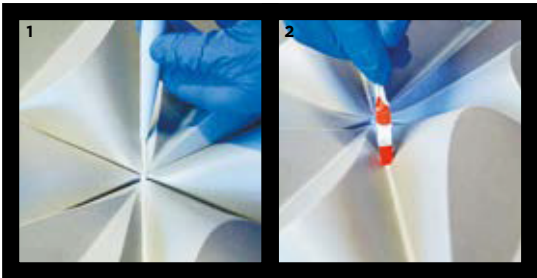
GROUTING

Fast-setting, cement based grout is recommended for flat or slightly 3-dimesnional tiles. Masking is not necessary as the tiles can be easily cleaned with a wet cloth afterwards.

Recommended product: **Mapei Ultra Color Plus Grout**

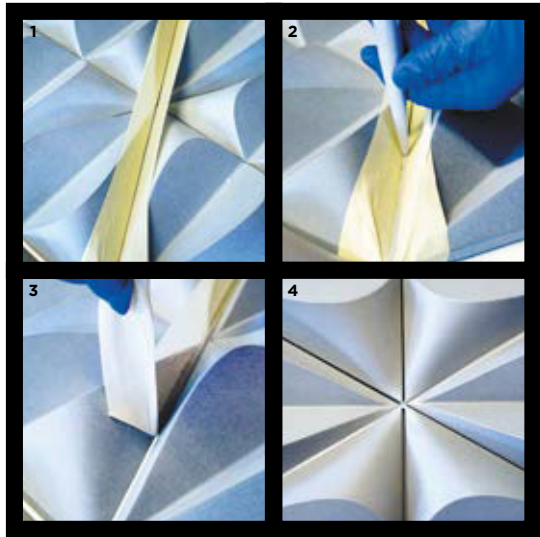


For more textured, 3D tiles we recommend an acid-free, silicone grout. For silicone based grouting, masking is necessary.



GROUTING

Where tiles are treated with extra surface protection for wet, exterior or heavy duty areas, then masking is not necessary – even when using silicon based grout. However, for basic surface treatment masking is important. If unsure about the type of treatment please check the order form or ask the supplier of the tiles.



In case of using a different product, testing it first is essential.

CARE AND MAINTENANCE

All KAZA tiles and panels undergo a surface treatment process during manufacturing and therefore do not require extra treatment before and after installation.

A repet treatment* of the surface is recommended:

	3D Tiles	Panel	Terrazzo
Wall	Repeat treatment is recommended: - every 10 years if necessary.	Repeat treatment is not needed.	Repeat treatment*** is recommended: - every 5 years.
Floor		Repeat treatment** is recommended: - low to medium traffic: 5 years - high traffic: 3-5 years.	Repeat treatment*** is recommended: - low to medium traffic: 5 years - high traffic: 3-5 years.

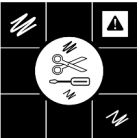
*Note that Abrasion takes place gradually over time and resealing time is also a function of aesthetics requirements.

**KAZA floor tiles are treated with a resistant matte floor treatment to have wear-proof qualities and protect against heavy foot traffic. For retreatment use METALLUX 2K Enamel or equivalent.

***KAZA Terrazzo tiles are treated with a resistant impregnation. For retreatment use Lantania AVO sealer or equivalent.



All coloured materials and liquids interacting with the surface of the tiles can cause permanent changes. In case of contamination, the surface must be cleaned instantly.



Avoid sharp or hard objects making contact with the tiled surface. A strong impact can leave a mark. To repair chips and scratches, use touch-up car paint to instantly seal the surface of the tile.

CARE AND MAINTENANCE

Retreatment Process of **KAZA floor tiles and panels**:

- 1. Roughen up the surface:**
It is important to remove any stubborn dirt before the reapplication of the sealer.
Use 3M or equivalent abrasive fibre disc applicable to a scrubber dryer machine, e.g. Karcher BD 50/50 C Bp Classic.
Do not exceed Max RPM 12000.
- 2. Wait for surface to completely dry.**
- 3. Apply sealer:**
Prepare METALLUX 2K Enamel or equivalent as per manufacturer's instructions.
Apply the treatment with a paint roller or brush. Alternatively, the sealer can be spray painted by a compressor powered system.

Retreatment Process of **KAZA terrazzo**:

- 1. Clean the surface thoroughly:**
It is important to remove any stubborn dirt before the reapplication of the sealer.
- 2. Wait for surface to completely dry.**
- 3. Apply sealer:**
Prepare Lantania AVO sealer or equivalent as per manufacturer's instructions.
Apply the treatment with a paint roller or brush in two layers. After 5-10 minutes rub with a clean cloth or a single brush machine equipped with soft disc, in order to join the product absorption and remove possible excess. Apply a light second coat if necessary. Wait 8 hours after applying for surface to completely dry.

Note 1: Always test on a small area before conducting the job.
Note 2: Ensure sufficient ventilation and temperature when reapplying the sealer.

CLEANING INFORMATION



Do not use acid or corrosive products!



For everyday cleaning, use feather dusters or dry fabric. For regular cleaning, wipe down tiles with a moistened microfiber cloth.



Use a spray bottle containing water and just a few drops of the all-purpose cleaner. Spray this solution directly onto the microfiber cloth.

For 'heavy' stains, e.g. oil, grease, residue of floor care products & floor shine, rubber tracks from shoes, soot, etc. we would recommend cleaning with slightly alkaline, general cleaning products.