

**Technical sheet**

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**BAUMAX Keraflex EKONOMIK C1**

Adhesive for ceramic tiles for indoor use

**Field of application**

It is intended for internal gluing of small-format wall, ceramic tiles on concrete and plaster substrates.

**Characteristics**

- Good grip
- Good workability

**Composition**

Cement, polymer binder, fillers and additives.

**Technical data**

Type of packaging	Paper bags
Quantity in one package	25 kg/unit
Unit per pallet	48 units/pallet
Aggregate condition	Tight
Color	Gray
Granulometric analysis (BAS EN 1015-1:2004)	0-0,71 mm
Consumption	3-4 kg/m <sup>2</sup>
Note on consumption	The consumption values are indicative and very much depend on the type and previous preparation of the substrate as well as the installation technique.
Required amount of water	25%

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Open time	approx. 20 min
Bulk density (BAS EN 1015-10:2018)	approx. 1400 kg/m <sup>3</sup>
Volumetric mass in the compacted state (BAS EN 1015-10:2018)	approx. 1900 kg/m <sup>3</sup>
Adhesion to the concrete substrate (BAS EN 1015-12:2018)	≥ 1,0 MPa
Water retention capacity (BAS EN 1015-8:2002)	99,79 %
Air content (BAS EN 1015-7:2004)	22 %
Capillary water absorption (BAS EN 1015-18:2004)	0,0223 kg/m <sup>2</sup> · min <sup>0,5</sup>
Compressive strength (28 days) (BAS EN 1015-11:2002)	17,39 N/mm <sup>2</sup>
Flexural strength (28 days) (BAS EN 1015-11:2002)	2,4 N/mm <sup>2</sup>

### Processing conditions

During processing and drying, the ambient temperature, i.e. the substrate must not be below +5 °C and above +30 °C.

### Preparation of the substrate

The substrate must be dry, solid, clean, absorbent, flat, unfrozen, free of dust, grease stains and other impurities that can prevent adhesion. Uneven surfaces must be leveled.

### Preparation and installation of materials

Shake the bag of material in about 6.25 l of water, and be sure to mix with an electric mixer until complete homogenization. After mixing, leave to ripen for 10 min., then stir briefly once more and, if necessary, add more water to adjust the appropriate consistency of the glue. Material that has been standing for too long and has started to harden must under no circumstances be mixed with water again in order to be used for installation.

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Apply the prepared glue with the smooth side of the notched trowel to the substrate and comb it with the notched side of the trowel, preferably in one direction.

If the surface is uneven, apply the glue with a notched trowel to the back of the tiles, which creates a larger contact surface between the glue and the tile.

The glue should only be applied to that surface of the substrate on which it is possible to install ceramics during the open time of the material.

The tiles are inserted into the glue by moving them slightly, and their position can be corrected within the allowed time (while the material is fresh) during installation.

Before curing, the adhesive from the tiles must be cleaned with water. If the glue hardens, it can only be removed mechanically. Grouting is recommended after 24 hours.

High air humidity and low temperatures slow down, while high temperatures accelerate the binding and drying process.

### Cleaning tools

Immediately after finishing the work, hand tools should be washed with clean water. Remove hardened material mechanically and dispose of it according to regulations.

### Handling of waste

Prevent uncontrolled discharge of material into drains and watercourses. Do not mix hardened residues with municipal waste, but dispose of them as construction waste in accordance with applicable local/regional legal provisions.

### Protection at work

Follow general instructions and regulations on occupational safety during construction work.

When performing work, wear adequate work clothes that ensure that the material does not come into contact with the skin.

Hand protection: protective impermeable gloves.

Eye protection: safety glasses with side protection.

For more information, see the product safety data sheet.

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### Storage and transport conditions

Store in dry and well-ventilated areas. Keep bags tightly closed in a horizontal position, on pallets, protected from moisture. Do not expose to high temperatures (>25°C) or low temperatures (<0°C). During transport, the product must be secured so that it does not move on the pallet and is not exposed to direct sunlight and moisture.

### Expiry date

Originally sealed and stored as recommended, the product has a shelf life of at least 12 months.

### Quality control

Testing and monitoring of product quality is carried out daily in the internal BT laboratory and periodically in authorized institutes and laboratories.

### General notes

The technical instructions are based on our previous experience, with the aim of achieving optimal results when using the product.

The above data in themselves do not create any legal obligation and do not relieve the buyer of the responsibility to perform a prior test of the suitability of the material for a specific purpose.

If the contractor notices or suspects any functional or aesthetic defect in the product during the installation of the purchased material, he is obliged, in accordance with construction practice, to stop further installation of the product in order to minimize any potential damage. He is also obliged to immediately file a complaint with the manufacturer, who will process the complaint as soon as possible.

Damage caused by incorrect product selection, improper use (failure to follow the instructions specified in this technical sheet) or unprofessional work cannot be the subject of a complaint.

This data sheet supersedes all previous editions. We reserve the right to any subsequent changes and additions.