



## TECHNICAL DATA SHEET

# KEIM VERLEGEMÖRTEL-K

## 1. PRODUCT DESCRIPTION

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Adhesive mortar for bonding clinker brick slips or ceramic tiles, for use in the KEIM External Thermal Insulation Composite System Ceramic EPS/Ceramic MW in accordance with system approval.

## 2. PRODUCT PROPERTIES

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- long open-time
- excellent application properties
- excellent adhesion
- highly water-repellent
- permeable

### MATERIAL CHARACTERISTICS:

- Maximum grain size: 0.6 mm

### CLASSIFICATION:

- Adhesive tensile strength: approx. 0,5 N/mm<sup>2</sup>
- Fracture pattern Adhesive tensile strength: A,B,C
- Test standard Adhesive tensile strength: DIN EN 1015-12

### COLOUR SHADES:

grey

## 3. APPLICATION INSTRUCTIONS

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### SUBSTRATE PREPARATION:

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues. The minimum standing time of the reinforcement plaster layer is 1 day/mm plaster thickness, but at least 7 days. The substrate must be suitable for mounting a ceramic covering.

### APPLICATION CONDITIONS:

Ambient and substrate temperature  $\geq 5$  °C during application and drying. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

### APPLICATION:

**Bonding:** The brick slips are bonded using the floating-buttering method. To achieve a bonding with as few voids as possible (at least 90%), apply the mixed laying mortar-K to the substrate with a notched trowel only as far as can be covered within a reasonable time. Avoid the formation of a "skin". The toothing of the notched trowel depends on the format of the tiles. We recommend an 8-tooth trowel for conventional ceramic slips in normal format. Then apply a contact layer to the adhesive side of the ceramic, set it in place and gently push it into the desired position. Mortar residues in the joints must be scraped out and dirt removed with a wet sponge.

**Facade profiles:** For bonding facade profiles, apply the mixed adhesive to the back of the facade profiles with a notched trowel (10 teeth). The thickness of the toothed adhesive layer should be approx. 6-7 mm. The laying mortar-K is to be applied to the backs of the profiles as well as to the substrate (floating-buttering method). The adhesive layer must be at least 2 mm after bonding. There must be full-surface adhesive contact between the substrate and the facade profiles. Do not glue

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butt joints and mitre joints with Verlegemörtel-K, but with Iso-Top Thermofoam B1. Facade profiles must also be mechanically fixed.

### SETTING TIME:

Before grouting, the adhesive bed must be sufficiently firm, dry and at least 7 days old.

### CONSUMPTION:

approx. 3,0 kg/m<sup>2</sup>

These material consumption values are guide values for smooth substrates. Exact consumption values must be determined by means of test areas.

### CLEANING OF TOOLS:

Clean tools, machines and mixers immediately after use with water. In hardened state only a mechanical removal is possible.

## 4. PACKAGING

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Container content	Unit of measure	Quantity on pallet	Type of container
25	kg	42	bag

## 5. STORAGE

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max. storage time	Storage conditions
12 months	dry cool protect from moisture

## 6. DISPOSAL

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For disposal information refer to section 13 of the safety data sheet.

### EC WASTE CODE:

Waste code: 17 01 01

## 7. SAFETY INSTRUCTIONS

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Please, refer to the Material Safety Data Sheet.

## 8. GENERAL INFORMATION

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Cover surfaces not to be treated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.

Mixing with products not part of the system or other foreign additives is not permitted.

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The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release the purchaser and processor from the obligation to convince themselves of the suitability of our products for the intended application with due care, which is general practice in trade and crafts. The general rules of construction technology must be observed. We reserve the right to make modifications to improve the product or its application. This edition supersedes all earlier editions.



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