



TECHNICAL DATA SHEET

KEIM KLEBEMÖRTEL-K

1. PRODUCT DESCRIPTION

Mineral adhesive and reinforcing mortar.

2. FIELD OF APPLICATION

For bonding and reinforcing EPS, MW boards and MW lamellas in KEIM ETIC systems with ceramic surface. According to the following approvals: Z-33.46-1187. Note: Elastified EPS boards must not be used.

3. PRODUCT PROPERTIES

- easy to apply
- excellent adhesion
- permeable
- highly water-repellent

CLASSIFICATION:

- | | |
|--|-----------------------------------|
| - Compressive strength category: | CS III 3,5 -7,5 N/mm ² |
| - Adhesive tensile strength: | > 0,08 N/mm ² |
| - Fracture pattern Adhesive tensile strength: | A,B,C |
| - Standard Adhesive tensile strength DIN EN 1015-12: | DIN EN 1015-12 |
| - Water absorption class: | W2 |
| - Standard Water absorption DIN EN 1015-18: | DIN EN 1015-18 |
| - Water vapour diffusion resistance value (μ -value): | ≤ 25 |

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues and must not be too absorbent.

APPLICATION CONDITIONS:

Ambient and substrate temperature ≥ 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.

PREPARATION OF MATERIAL / MIXING & CONVEYING:

Mix KEIM Klebemörtel-K with approx. 7,0 - 8,0 L (specification per bag) of clean water with a power stirrer to a stiff-plastic consistency without lumps and allow to mature briefly. Do not remix already stiffened material with water.

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CONSUMPTION:

approx. 5 kg/m² for gluing.

approx. 5,5 kg/m² zum Armieren

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

APPLICATION:

Application method with stainless steel trowel or notched trowel, or mechanically.

GLUING:

Apply the system's adhesive mortar to the insulation panels using the bead-and-dot method, ensuring an adhesion of $\geq 60\%$. General instruction with regard to gluing: Do not apply adhesive to the panel joints. The adhesive mortar may also be applied partially to the substrate. In this case at least 50% of the substrate must be covered with adhesive beads. The adhesive beads must be at least 5 cm wide and at least 1 cm thick in the center and must not exceed the center distance of 10 cm. The insulation panels must be immediately floated into the fresh adhesive mortar to achieve full-surface bonding.

REINFORCEMENT:

Apply KEIM Klebemörtel-K evenly by machine or by hand using a rust-free trowel onto the insulation panels. Embed system-specific reinforcement mesh, overlap the edges by 10 cm and coat wet-on-wet with KEIM Klebemörtel-K. Necessary cuts into fibre mesh, e.g. at scaffold anchors, must be covered with an additional mesh strip. The system-specific KEIM Glasfaser-Gittermatte (mesh) should be fully embedded in the upper third. In the corner areas of building openings additionally embed KEIM Diagonalarmierung (diagonal mesh). Refer to and observe the specifications for layer thickness from the system approval used. Thickness of the reinforcement layer approx. 3 - 5 mm. Dowelling is done through the mesh mat.

SETTING TIME:

at least 1 day per mm render thickness (depending on temperature and relative humidity).

When bonding, allow to stand for at least 3 days, depending on temperature and humidity.

CLEANING OF TOOLS:

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

5. PACKAGING

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

6. STORAGE

max. storage time	Storage conditions
6 months	dry cool keep container tightly sealed.

7. DISPOSAL

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

Waste code: 17 01 01

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

9. GENERAL INFORMATION

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.

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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