



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 |
| - Test standard Adhesive tensile strength: | DIN EN 1015-12 |
| - Water absorption class: | W2 |
| - Test standard Water absorption: | DIN EN 1015-18 |
| - Water vapour diffusion resistance number (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:

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

PREPARATION OF MATERIAL / MIXING & CONVEYING:

KEIM Klebemörtel-K can be mixed with a continuous mixer. The water quantity must be adjusted to the processing consistency and the material must be stirred briefly with a power stirrer after a maturing time of a few minutes before hand application. Mortar pumps with variable flow rates are suitable for machine application of the mortar mixed in the continuous mixer (e.g. Speedy P 15). Maximum conveying length should not exceed 20 m. KEIM Klebemörtel-K can also be mixed and processed with mixing pumps (e.g. G4). Screw pumps with a flow rate adapted to the application rate should be used. The max. conveying length should not exceed 30 m and the conveying height should not exceed 10 m. From 6 m conveying height, the use of a hose with a diameter ≥ 35 mm is recommended.

APPLICATION:

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

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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. Der Klebemörtel darf auch teilflächig auf den Untergrund aufgetragen werden, in diesem Fall müssen mindestens 50% des Untergrundes mit Klebewülsten bedeckt sein. Die Klebewülste müssen mindestens 5 cm breit und mittig mindestens 1cm dick sein und den Achsabstand von 10 cm nicht überschreiten. Die Steinwolle-Dämmplatte muss unverzüglich in den frischen Klebemörtel eingeschwommen werden, um eine vollflächige Verklebung zu erzielen.

REINFORCEMENT:

KEIM Klebemörtel-K maschinell oder manuell mit rostfreier Kelle gleichmäßig auf die Dämmplatten auftragen. Systemzugehöriges Armierungsgewebe einlegen, an den Stößen 10 cm überlappen und nass in nass mit KEIM Klebemörtel-K überarbeiten. Notwendige Einschnitte in die Gittermatte, z.B. an Gerüstankern, sind mit einem zusätzlichen Gewebestreifen zu überdecken. Die systemzugehörige KEIM Glasfaser-Gittermatte soll im oberen Drittel liegen und vollständig eingebettet sein. Im Eckbereich von Gebäudeöffnungen zusätzlich eine KEIM Diagonalarmierung einbetten. Die Vorgaben zur Schichtdicke aus der verwendeten Systemzulassung entnehmen und beachten. 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.

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.

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.

EC WASTE CODE:

Waste code: 17 01 01

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

GISCODE:

GIS code: ZP 1

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.