



TECHNICAL DATA SHEET

KEIM UNI-KALEI

1. PRODUCT DESCRIPTION

KEIM Uni-Kalei is a slurry plaster based on the binders air lime and white cement with a low content of organic additives and fibres. KEIM Uni-Kalei corresponds to mortar category CS II in accordance with 998-1.

2. FIELD OF APPLICATION

KEIM Uni-Kalei is suitable for carrying out plastering work using the slurry plaster technique for the following substrates: mineral substrates; mixed substrates; organic substrates

Not suitable:
plasto-elastic coatings; saponifiable existing substrates

3. PRODUCT PROPERTIES

- easy and fast processing
- low stress
- mineral
- highly permeable

MATERIAL CHARACTERISTICS:

- Bulk density: approx. 1,2 g/cm³
- Maximum grain size: 0.6 mm

CLASSIFICATION:

- Classification according to: DIN EN 998-1
- Plaster type: CR
- Compressive strength category: CS II 1,5 -5,0 N/mm²
- Test standard compressive strength: DIN EN 1015-11
- Adhesive tensile strength: $\geq 0,08$ N/mm²
- 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): ≤ 10

COLOUR SHADES:

natural white

4. APPLICATION INSTRUCTIONS

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SUBSTRATE PREPARATION:

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues and must not be too absorbent. In the case of highly absorbent substrates or very warm ambient conditions, prewetting must be carried out.

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:

KEIM Uni-Kalei mit ca. 6,4 - 7,5 l (Angabe pro Sack) sauberem Wasser mittels Rührquirl zu einer schlammfähigen Konsistenz knollenfrei anmischen und kurz reifen lassen. Bereits angesteiftes Material keinesfalls mit Wasser wieder aufmischen.

APPLICATION:

Apply the set mortar with a block brush in two coats. The set mortar can be finished with a damp brush.

Alternatively, the mortar can be applied with a trowel and then modelled with a block brush. For this purpose, the consistency of the fresh mortar must be chosen somewhat thicker. It is also possible to apply the mortar mechanically with the help of a plastering machine. In this case, the mortar is also treated and modelled with a block brush after it has been applied.

The drying time between the individual layers depends on the temperature and humidity. In practice, it is recommended to apply the second coat one day later.

AFTERTREATMENT:

KEIM Uni-Kalei must be protected from drying out too quickly due to sun or wind, or kept moist if necessary.

SETTING TIME:

at least 1 day per mm render thickness (depending on temperature and relative humidity). When used as top coat render, allow to set for at least 5 days before coating. (If the standard rule of 1 day per mm results in longer setting times due to the layer thickness, the longer setting time must then be observed before painting).

CONSUMPTION:

approx. 1,2 kg/m² per mm

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
20	kg	36	bag

6. STORAGE

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

7. DISPOSAL

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

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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.

10. CERTIFICATES & QUALITY SEALS



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.