



TECHNICAL DATA SHEET

KEIM JANUS® 0.5

1. PRODUCT DESCRIPTION

KEIM Janus 0.5 is a fine interior plaster based on clay-lime and impresses with its outstanding ecological properties. This is because KEIM Janus 0.5 is reusable and therefore 100 % recyclable, has a significantly reduced CO₂ footprint compared to conventional interior plasters and creates healthy living spaces in new builds and renovations. Thanks to its special binder formulation, KEIM Janus 0.5 can be removed from the wall if necessary and the resulting granulate can be reused directly on site as an admixture for new Janus plaster mixes. KEIM Janus 0.5 requires approx. 40 % less energy to produce than conventional lime, lime-cement or gypsum plasters. KEIM Janus 0.5 therefore makes a valuable contribution to CO₂ savings in construction. In contrast to the almost CO₂-neutral clay plasters, KEIM Janus 0.5 has a serviceable strength even in stressed interiors and also has a moisture-regulating and mold-inhibiting effect. KEIM Janus 0.5 thus uniquely combines the requirements of recyclability and ecology with those of healthy living and working.

2. FIELD OF APPLICATION

KEIM Janus 0.5 is a fine clay-lime render with low hydraulic additives. It can be used as a finishing render in new buildings and also in renovations. Suitable substrates are absorbent mineral substrates and sound old renders. Organic, smooth and non-absorbent substrates require appropriate pre-treatment.

3. PRODUCT PROPERTIES

- excellent application properties
- reversible
- reusable
- recyclable
- CO₂-reduced
- sound in terms of building biology
- mineral
- highly absorbent, promotes a pleasant indoor climate
- reduces risk of condensation
- permeable
- anti-fungal and anti-algae thanks to natural alkalinity
- fire behaviour: non-flammable (A1)

MATERIAL CHARACTERISTICS:

- Maximum grain size: 0.5 mm

CLASSIFICATION:

- Water absorption class: W0
- Standard Water absorption: DIN EN 1015-18
- Water vapour diffusion resistance value (μ -value): ≤ 15
- Compressive strength category: CS I (0,4 – 2,5 N/mm²)
- Standard compressive strength: DIN EN 1015-11
- Adhesive tensile strength: $\geq 0,08$ N/mm²
- Standard Adhesive tensile strength: DIN EN 1015-12
- Fracture pattern Adhesive tensile strength: A,B,C
- Classification according to: DIN EN 998-1

– Plaster type: GP

COLOUR SHADES:

Kaolin white

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. Highly absorbent, mineral substrates can be pre-wetted or treated with KEIM SpezialFixativ to adjust their absorption properties. Base coats must be sufficiently set and roughened. Sandy substrates must be consolidated with KEIM Fixativ (diluted 1:1 or 1:2 with water). Dispersion-coated old substrates and/or smooth surfaces with poor grip must be primed with a suitable primer (KEIM Putzgrund, KEIM Contact-Plus or KEIM Stucasol-Fondo).

APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying must be $\geq 5\text{ }^{\circ}\text{C}$.

PREPARATION OF MATERIAL / MIXING & CONVEYING:

Mix KEIM Janus 0.5 with approx. 8 L clean water per bag using a stirring paddle to a stiff plastic consistency without lumps. Processing can be carried out by hand, with a continuous mixer or with a plastering machine.

CONSUMPTION:

approx. 1,3 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.

APPLICATION:

Apply mixed KEIM Janus 0.5 with a suitable tool in a uniform layer thickness. After sufficient hardening, the surface can be felted with a sponge board or smoothed with a smoothing trowel. Free structuring is also possible without any problems.

LAYERING SYSTEM:

When processing, the layer thickness is at least 3 mm and a maximum of 6 mm per layer. For thicker layers, apply two coats. In the case of highly absorbent substrates and/or increased demands on the visual quality of felted surfaces, a two-layer wet-on-wet method is recommended.

AFTERTREATMENT:

Protect from drying out too quickly. If necessary, keep appropriately moist by spraying for about a day.

FINISHING:

KEIM Janus 0.5 can be coated with all KEIM interior coating systems. KEIM Janus 0.5 must not be covered with tiles or natural stone.

CLEANING OF TOOLS:

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

REUSE:

KEIM Janus 0.5 can be removed (uncoated or coated with KEIM silicate paints) after perforation (nail roller) and thorough pre-wetting by scraping, or in dry condition using a plaster cutter with dust extraction. The fine-particle granules can be reused as a 50 % additive to new KEIM Janus 0.5 plaster mixes.

5. PACKAGING

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

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6. STORAGE

max. storage time	Storage conditions
12 months	dry

7. DISPOSAL

Waste code: 17 01 01

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

GISCODE: 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.



KEIM MINERAL PAINTS LTD
Santok Building / Deer Park Way, Donnington Wood / Telford / Shropshire TF2 7NA
Tel. +44 1952 231 250 / Fax +44 1952 231 251
www.keim.com / sales@keimpaints.co.uk