TECHNICAL DATA SHEET

KEIM JANUS® 0.5

1. PRODUCT DESCRIPTION

KEIM Janus 0.5 is a fine, clay-lime-based interior plaster. It stands out for its reusability, making it 100 per cent recyclable. Its production generates less CO_2 than conventional interior plasters, making it ideally suited for use in both new builds and renovation projects. Thanks to its special binder formulation, KEIM Janus 0.5 can be removed from the wall if necessary, and the resulting granules can be reused directly on site as an additive in new Janus plaster mixes. The production of KEIM Janus 0.5 requires approximately 40 per cent less energy than that of conventional lime, lime-cement or gypsum plasters. Unlike clay plasters, which are almost CO_2-neutral, KEIM Janus 0.5 offers sufficient strength for practical use even in high-traffic interior spaces and also helps to regulate humidity and inhibit mould growth.

2. FIELD OF APPLICATION

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

3. PRODUCT PROPERTIES

- recyclable
- CO2-reduced
- mineral
- QNG compliant
- absorbent
- reduces risk of condensation
- permeable
- good application properties
- reversible
- fire behaviour: non-flammable (A1)
- anti-fungal and anti-algae thanks to natural alkalinity

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	≥ 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 level, dry, sound, sufficiently absorbent and free from residues that impair adhesion; it must not be excessively absorbent. Highly absorbent, mineral substrates can be adjusted in terms of absorption behavior by pre-wetting or with KEIM Spezial-Fixativ. 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 P-Primer, KEIM Contact-Plus or KEIM Stucasol-Fondo).

APPLICATION CONDITIONS:
The air and substrate temperature during application and drying must be ≥ 5 °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
The information on material consumption is a guide for smooth substrates. Exact consumption figures must be determined by carrying out test areas.

PROCESSING:
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.

MOISTURE PROTECTION:

POST-TREATMENT:
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 immediatley 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

6. STORAGE

Maximum storage time	Storage conditions
12 months	dry

7. DISPOSAL

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

Waste code: 17 01 01

8. SAFETY INSTRUCTIONS

Refer to the safety data sheet.

GIS code: ZP 1

9. GENERAL INFORMATION

Cover surfaces not to be treated, particularly glass, ceramics and natural stone. Splashes on surrounding surfaces or traffic areas must be immediately diluted with plenty of water and removed.
Mixing with products from other systems or other external 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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