



TECHNICAL DATA SHEET

KEIM UNICA

1. PRODUCT DESCRIPTION

KEIM Unica is a ready-to-use silicate-based interior paint according to DIN EN 13 300 (also fulfils DIN 18363 para. 2.4.1, dispersion silicate paint).

2. FIELD OF APPLICATION

KEIM Unica can be applied on all common interior substrates. KEIM Unica is suitable for both new construction and typical renovation coatings in residential and commercial areas. For gypsum board substrates, priming with KEIM GW-Primer is recommended. For pure gypsum plasters and lightweight gypsum plasters, we recommend coating with Sol-silicate paints from KEIM, in conjunction with KEIM Soliprim as a primer.

Not suitable for:

wood substrates; lacquered surfaces; substrates with salt efflorescences

3. PRODUCT PROPERTIES

- economical in consumption
- homogenous surface appearance
- low environmental impact
- harmless to health
- Cradle to Cradle Certified®-Certificate Silver
- C2C Certified Material Health Certificate™ Gold
- mineral
- highly permeable
- anti-fungal and anti-algae thanks to natural alkalinity
- no solvents added
- no plasticisers added
- no preservatives added

MATERIAL CHARACTERISTICS:

- Density: approx. 1.4 - 1.5 g/cm³
- Organic content: < 5 %
- pH value: approx. 11

TECHNICAL DATA SHEET – KEIM UNICA

CLASSIFICATION:

- Classification according to: DIN EN 13300
- Classification according to VOB: Silicate emulsion paint according to DIN 18363 sec. 2.4.1
- Diffusion-equivalent air layer thickness (sd-value): < 0,01 m
- Wet abrasion resistance: Class 2
- Test standard Wet Abrasion Resistance EN ISO 11998: EN ISO 11998
- Contrast ratio (covering power): Class 2
- Gloss level at 85°: dull matt
- Standard Gloss level ISO 2813: ISO 2813
- Maximum particle size: fine
- Standard Maximum particle size EN 1524: EN 1524

COLOUR SHADES:

white

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

The substrate must be sound, solid, dry, clean and free from dust and grease.

Patch repairs should be leveled with the existing structure. Unevenly absorbent substrates should be pre-treated with KEIM Soliprim. In cases of challenging lighting conditions, we alternatively recommend KEIM Innopro or KEIM Innostar.

APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying must be ≥ 5 °C.

PREPARATION OF MATERIAL:

Stir up KEIM Unica thoroughly before application.

CONSUMPTION:

approx. 0,250 L/m² for two coatings.

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

APPLICATION:

KEIM Unica can be painted, rolled or airless sprayed (nozzle ≥ 425).

Primer coat: Apply KEIM Unica undiluted or diluted with max. 10 % of water.

Final coat: Apply KEIM Unica undiluted.

DRYING TIME:

Can be overcoated after 6 hours at the earliest (at 23 °C and 50% RH). At higher relative humidity, layer thicknesses and/or lower temperatures, drying is delayed accordingly.

CLEANING OF TOOLS:

Clean immediately with water.

5. PACKAGING

Container content	Unit of measure	Quantity on pallet	Type of container
12.5	L	32	bucket

6. STORAGE

max. storage time	Storage conditions
12 months	frost-free cool keep container tightly sealed.

Material residues from opened containers should be refilled into correspondingly smaller containers in order to keep the air content in the bucket as low as possible.

7. DISPOSAL

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

Waste code: 08 01 12

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet. EU limit value for this product (Cat. A/a): 30 g/l.
This product contains: 0 - 1 g/L VOC.

GISCODE:

9. GENERAL INFORMATION

Sustainable mould remediation always means eliminating the cause and repairing the damage. Infested surfaces or components that are larger than 0.5 m² or that are not only superficially infested must be replaced and not treated.

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.