



TECHNICAL DATA SHEET

KEIM TISENZA®

1. PRODUCT DESCRIPTION

KEIM Tisenza is a high-quality sol-silicate paint for interior use according to DIN EN 13 300 (also fulfils the requirements according to DIN 18 363, 2.4.1 Dispersion silicate paint). KEIM Tisenza is awarded with Cradle to Cradle Certified® Silver and C2C Certified Material Health Certificate™ Gold.

2. FIELD OF APPLICATION

KEIM Tisenza is a high-quality, titanium dioxide-free interior wall paint. It is universally applicable and suitable for both wall and ceiling surfaces in residential and commercial areas. KEIM Tisenza can be used on all common substrates in new buildings as well as for renovation coatings. By dispensing with the white pigment titanium dioxide, warm, pastel colour shades are achieved which give a room a special ambience. The sustainable and healthy sol-silicate paint is ideally suited for the high demands of environmentally conscious and sensitive customers. In addition, it convinces all along the line with its high covering power.

Not suitable for:

wood substrates; lacquered surfaces; substrates with salt efflorescences

3. PRODUCT PROPERTIES

- excellent application properties
- universally applicable
- very good covering power
- harmless to health
- matt, natural appearance
- low stress
- low environmental impact
- Cradle to Cradle Certified®-Certificate Silver
- C2C Certified Material Health Certificate™ Gold
- highly permeable
- anti-fungal and anti-algae thanks to natural alkalinity
- no preservatives added
- no solvents added
- no plasticisers added
- titanium dioxide-free

MATERIAL CHARACTERISTICS:

- Density: approx. 1.5 - 1.6 g/cm³
- Organic content: < 5 %
- pH value: approx. 11

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 1
- Test standard Wet Abrasion Resistance EN ISO 11998: EN ISO 11998

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– Contrast ratio (covering power):	Class 1
– Yield of contrast ratio (covering capacity):	6 m ² /L
– Standard Hiding power ISO 6504-3:	ISO 6504-3
– Gloss level at 85°:	dull matt
– Standard Gloss level ISO 2813:	ISO 2813
– Maximum particle size:	fine (<100 µm)
– Standard Maximum particle size EN 1524:	EN 1524

COLOUR SHADES:

White and pastel shades. Shades exclusively with pure mineral lightfast pigments. Only as factory tint. Not available in monochrome shades/full tone colours.

COMPOSITION

Full declaration in compliance with the "natureplus®" award guideline: Silicate and calcite fillers, zinc sulphide, silica sol, water, polyacrylate, hydrophobing agents, thickeners, stabilisers, wetting agents, defoamers. Origin of mineral fillers: Germany and/or Austria.

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

The substrate must be sound, solid, dry, clean and free from dust and grease. No pretreatment is required for gypsum fillers. Optimisation of the surface homogeneity of the subsequent coats, especially under difficult lighting conditions, can be achieved by pre-treatment with KEIM Soliprim. In case of glancing light conditions, ensure adequate substrate preparation, suitable tools and increased care during application.

APPLICATION CONDITIONS:

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

PREPARATION OF MATERIAL:

Stir up KEIM Tisenza thoroughly before application.

CONSUMPTION:

approx. 125 mL/m² for a single coating.

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

APPLICATION:

KEIM Tisenza can be painted, rolled or airless sprayed (nozzle ≥ 421).

Primer coat: Apply KEIM Tisenza undiluted or diluted with ≤ 5 % of water.

Final coat: Apply KEIM Tisenza 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
5	L	70	bucket

6. STORAGE

max. storage time	Storage conditions
12 months	cool frost-free protected from heat and direct sun.

7. DISPOSAL

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

Waste code: 08 01 12

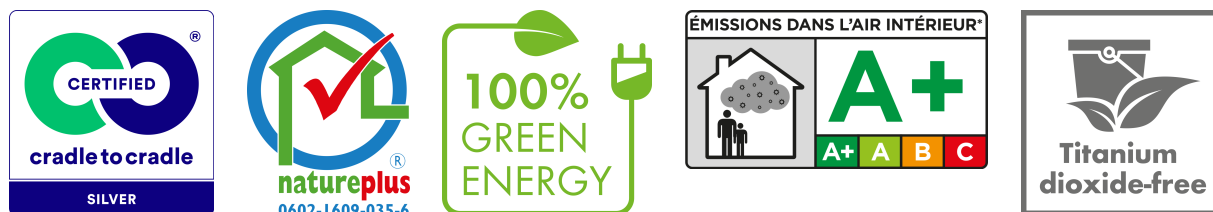
8. SAFETY INSTRUCTIONS

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.

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.