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 has been awarded Cradle to Cradle Certified® Full Scope Silver, Material Health Gold and Circularity Silver in accordance with Version 5.0.

2. FIELD OF APPLICATION

KEIM Tisenza is a high-quality, titanium dioxide-free interior wall paint. It is suitable for a wide range of applications and can be used on both walls and ceilings in residential and commercial settings. KEIM Tisenza can be applied to all standard substrates in new-builds as well as for renovation projects. By omitting the white pigment titanium dioxide, warm, pastel shades are achieved, lending rooms a very special atmosphere. KEIM Tisenza also impresses across the board with its high hiding power.

3. PRODUCT PROPERTIES

- Cradle to Cradle Certified® Full Scope Silver (Version 5.0)
- Cradle to Cradle Certified® Material Health Gold (Version 5.0)
- Cradle to Cradle Certified® Circularity Silver (Version 5.0)
- matt finish
- low stress
- natureplus certified
- QNG compliant
- very good covering power
- permeable
- good application properties
- universally applicable
- 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 g/cm³ - 1.6 g/cm³
– Organic content	< 5 %
– pH value	approx. 11

CLASSIFICATION:

– Classification according to	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
– Resistance to wet abrasion	R-Class 1

– Standard Wet Abrasion Resistance	EN ISO 11998
– Covering power (Contrast ratio)	H10-Class 1
– Yield of covering capacity (contrast ratio)	6 m^2/L
– Standard Hiding power	ISO 6504-3
– Gloss level	G4 – dull matt (measuring angle 85°)
– Standard Gloss level	ISO 2813
– Maximum particle size	S1 fine (<100 µm)
– Standard Maximum particle size	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 load-bearing, sound, dry, clean and free from dust and grease. Coatings with KEIM Tisenza generally do not require any pre-treatment. Sanding and highly absorbent substrates are pre-treated with KEIM Soliprim or KEIM Spezial-Fixativ. In difficult light conditions (glancing light), a primer coat of KEIM Innoprim or a pre-primer of KEIM Soliprim optimises surface homogeneity and extends the open time of subsequent coats. It is important to ensure that the substrate is properly prepared, that suitable tools are used and that extra care is taken during application.

Non-suitable substrates:
wood substrates; lacquered surfaces; substrates with salt efflorescences

APPLICATION CONDITIONS:
The air and substrate temperature during application and drying must be ≥ 5 °C.

MATERIAL PREPARATION:
KEIM Tisenza must be stirred thoroughly before application.

CONSUMPTION:
approx. 125 mL/m^2 for a single coating.
The information on material consumption is a guide for smooth substrates. Exact consumption figures must be determined by carrying out test areas.

PROCESSING:
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.

TOP COAT:

PAINT STRUCTURE:

DRYING TIME:
Can be overcoated after 6 hours at the earliest (at 23 °C and 50% RH). At higher relative humidity, greater layer thicknesses or lower temperatures, the drying time is extended 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

Maximum 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

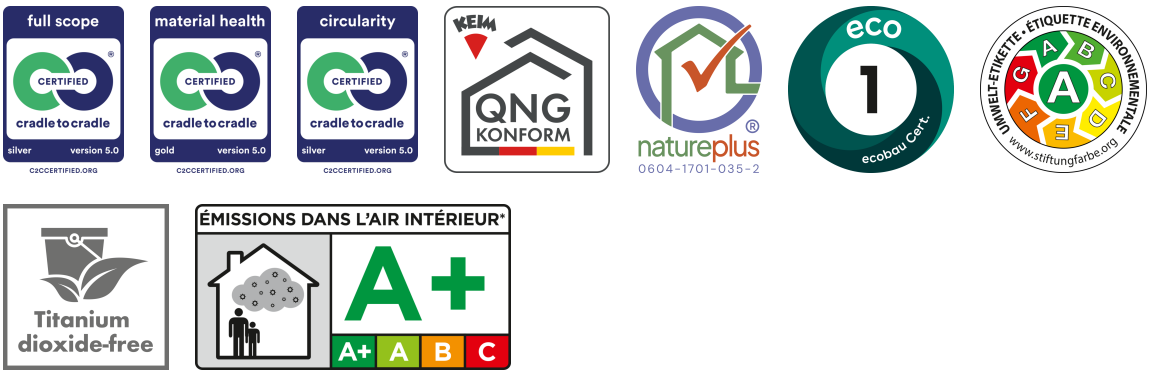
Refer to the safety data sheet. EU limit value for this product (Cat. A/a): 30 g/l.
This product contains: 0 - 1 g/l VOC.

GIS code: BSW 10

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.

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.

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