



## TECHNICAL DATA SHEET

# KEIM INNOSTAR®

## 1. PRODUCT DESCRIPTION

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KEIM Innostar is an ultra-opaque, high-yield, healthy premium sol-silicate paint for interior use in accordance with DIN EN 13 300 (also meets the requirements of DIN 18363 Section 2.4.1, dispersion silicate paint). KEIM Innostar is awarded with Cradle to Cradle Certified® Silver and C2C Certified Material Health Certificate™ Gold.

## 2. FIELD OF APPLICATION

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KEIM Innostar is characterised by very high opacity combined with an excellent, beautiful white tone. Thanks to its universal material properties, KEIM Innostar is suitable for all standard interior wall and ceiling surfaces. KEIM Innostar is suitable for new and typical renovation coatings in residential and commercial areas. KEIM Innostar is also suitable for heavily used areas such as department stores, offices, schools and government offices. It is particularly ideal for use in properties that need to be renovated and put back into use quickly, as KEIM Innostar is virtually odourless and therefore does not bother residents and users with paint fumes. KEIM Innostar is ultra-opaque, so one coat is usually sufficient. KEIM Innostar can be painted on all standard interior surfaces.

## 3. PRODUCT PROPERTIES

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- C2C Certified Material Health Certificate™ Gold
- Cradle to Cradle Certified®-Certificate Silver
- natureplus certified
- QNG compliant
- ultra covering power
- very low-odour
- highly permeable
- excellent application properties
- very efficient
- fire behaviour: non-flammable (Class A2-s1,d0 as per EN 13501-1 acc. to classification report)
- anti-fungal and anti-algae thanks to natural alkalinity
- disinfectant-resistant
- no solvents added
- no plasticisers added
- no preservatives added
- ultra white

### MATERIAL CHARACTERISTICS:

- |                   |   |
|-------------------|---|
| - Density         | Approx. 1.4 g/cm <sup>3</sup> - 1.6 g/cm <sup>3</sup> |
| - 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  |

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– Covering power (Contrast ratio)	H10-Class 1
– Yield of covering capacity (contrast ratio)	8 m <sup>2</sup> /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, colour shades only with purely mineral and light-resistant pigments. KEIM Innostar can be tinted via KEIM Local Colour Studio® with KEIM PPF-Technology® according to all common colour collections.

Please always check the colour shade for correctness before application. Within a surface, use only tinted paint material from the same tinting batch. When using low-coverage colours such as red, orange or yellow, we recommend applying a base coat of KEIM Innostar in a matching colour.

### COMPOSITION

Full declaration in accordance with the "natureplus®" award guideline: Silicate and calcite fillers, titanium dioxide, silica sol, water, polyacrylate, water repellent, thickener, stabilisers, wetting agent, defoamer. Origin of mineral fillers: Germany and/or Austria.

## 4. APPLICATION INSTRUCTIONS

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### SUBSTRATE PREPARATION:

The substrate must be sound, solid, dry, clean and free from dust and grease. No pretreatment is required for gypsum fillers. Pretreat sanding and highly absorbent substrates 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. In this case, care must be taken to ensure that the substrate is adequately prepared, that suitable tools are used and that extra care is taken during processing.

Non-suitable substrates:

substrates with salt efflorescences; lacquered surfaces; wood substrates

### APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying must be  $\geq 5$  °C.

### MATERIAL PREPARATION:

Stir up KEIM Innostar thoroughly before application.

### CONSUMPTION:

approx. 125 mL/m<sup>2</sup> 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.

### PROCESSING:

KEIM Innostar can be brushed, rolled or sprayed (nozzle  $\geq 421$ ). Primer coat (if necessary): Apply KEIM Innostar undiluted or diluted with  $\leq 5$  % of water. Top coat: Apply KEIM Innostar 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**

Maximum storage time	Storage conditions
12 months	cool frost-free keep container tightly sealed. 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 (Kat. A/a): 30 g/l.  
This product contains: 0 - 1 g/l VOC.

GIS code: BSW 10

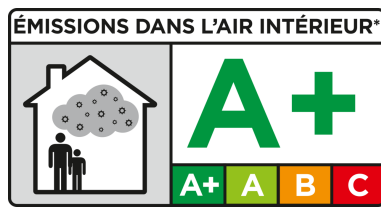
**9. GENERAL INFORMATION**

Class A2-s1, d0 does not apply to colours in price group 3.  
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**



## TECHNICAL DATA SHEET – KEIM INNOSTAR®



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.



**KEIMFARBEN GMBH**  
Keimstraße 16 / 86420 Diedorf / Tel. +49 821 4802-0  
Frederik-Ipsen-Straße 6 / 15926 Luckau / Tel. +49 35456 676-0  
[www.keim.com](http://www.keim.com) / [info@keimfarben.de](mailto:info@keimfarben.de)