



## TECHNICAL DATA SHEET

# KEIM INNOSTAR®

## 1. PRODUCT DESCRIPTION

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KEIM Innostar is an ultra opaque, high-yielding and healthy premium sol-silicate paint for interior use according to 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 a very high covering power in combination with an excellent beautiful white shade. Thanks to its universal material character, KEIM Innostar is suitable for all common interior wall and ceiling surfaces. KEIM Innostar is suitable for new as well as typical renovation coats in residential and commercial areas. KEIM Innostar is also suitable for heavily used areas such as department stores, offices, schools, authorities. In particular, objects that are to be quickly renovated and used again are ideal areas of application for Innostar paints, as occupants and users are not bothered by paint odours. KEIM Innostar Innostar is ultra-opaque, so that one coat is usually sufficient. KEIM Innostar Can be used to paint all common interior substrates.

Not suitable for:  
wood substrates; lacquered surfaces; substrates with salt efflorescences

## 3. PRODUCT PROPERTIES

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

### MATERIAL CHARACTERISTICS:

- Density: approx. 1,4 - 1.6 g/cm<sup>3</sup>
- 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

## TECHNICAL DATA SHEET – KEIM INNOSTAR®

– Test standard Wet Abrasion Resistance EN ISO 11998:	EN ISO 11998
– Contrast ratio (covering power):	Class 1
– Yield of contrast ratio (covering capacity):	8 m <sup>2</sup> /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, 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 colours with low coverage, such as red, orange, yellow, we recommend applying a primer coat with KEIM Innostar in the matching colour shade.

### COMPOSITION

Full declaration in compliance with the "natureplus®" award guideline:

Silicate and calcite fillers, titanium dioxide, 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 Granital-Dilution. 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  $\geq 5$  °C.

### PREPARATION OF MATERIAL:

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.

### APPLICATION:

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.

Final 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**

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Container content	Unit of measure	Quantity on pallet	Type of container
12.5	L	32	bucket
5	L	70	bucket

**6. STORAGE**

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

**7. DISPOSAL**

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

Waste code: 08 01 12

**8. SAFETY INSTRUCTIONS**

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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**

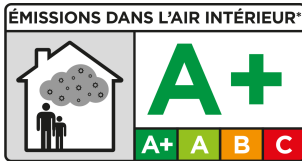
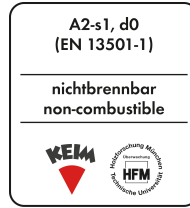
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Class A2-s1, d0 does not apply to colour shades in price group 3.

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**



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.