



## TECHNICAL DATA SHEET

# KEIM INNOSTAR®

### 1. PRODUCT DESCRIPTION

KEIM Innostar is an ultra covering, highly efficient and healthy premium sol-silicate interior paint manufactured in accordance with DIN EN 13 300 (also complies with DIN 18 363, 2.4.1, silicate emulsion paint).

### 2. FIELD OF APPLICATION

KEIM Innostar excels by its very high covering capacity in combination with an outstandingly elegant white colour shade. It is suitable for all common interior wall and ceiling surfaces thanks to its universal material character. KEIM Innostar can be used for first or typical renovation coatings in residential or commercial spaces such as department stores, offices, schools or public authorities. Particularly buildings that have to be renovated and reutilized within a short time period are the ideal application fields for Innostar coatings because residents and visitors will not be bothered by any paint odour. KEIM Innostar is ultra covering so that one coat is mostly sufficient.

KEIM Innostar is suitable for all common interior substrates except for surfaces with salt efflorescences, varnishings or wood.

### 3. PRODUCT PROPERTIES

- Ultra covering
- High degree of whiteness
- Very low-odour
- Excellent application properties
- Highly permeable ( $s_d \leq 0.01$  m)
- Disinfectant-resistant
- Very yielding
- Low-stress
- Ecologically sound
- Velvet matt surface
- No solvents added
- No plasticisers added
- Incombustible (class A2-s1,d0 to EN 13501-1)
- Truly mineral because silicate emulsion paint to definition as per DIN 18 363 par. 2.4.1
- Anti-mould thanks to natural alkalinity
- No preservatives added

#### Material characteristics:

- $s_d \leq 0.01$  m
- Specific weight approx. 1.4 - 1.6 g/cm<sup>3</sup>
- Organic content: < 5%

#### Classification to DIN EN 13 300:

- Gloss at 85°: dull matt (to ISO 2813)
- Contrast ratio (covering power) at a yield of 8 l/m<sup>2</sup>: class 1  
to ISO 6504-3
- Wet abrasion resistance: class 1  
to EN ISO 11998 (corresponds to „scrub-resistant“ to DIN 53778)
- Maximal grain size: fine (< 100 µm)  
(to EN 21524)

#### Full declaration according to the criteria of „natureplus®“:

Silicate and calcitic fillers, water, silica-sol, titanium dioxide, styrene-acrylate resin, hydrophobing agents, thickeners, stabilisers, wetting and defoaming agents. Origin of the mineral fillers: Germany and/or Austria.

#### Colour shades:

White, colour shades only with purely mineral, light-resistant pigments. KEIM Innostar can be tinted with KEIM PPF-Technology® according to all common colour collections. Prior to application, please, always check if the colour shade is correct. Within a surface, use only tinted paint material from the same tinting batch. When using less covering shades such as red, orange or yellow we recommend a priming coat with KEIM Innostar in the same colour tone.

### 4. APPLICATION INSTRUCTIONS

#### Substrate preparation and application:

The substrate must be sound, solid, dry, clean and free of dust and grease. Substrate and air temperature during application and drying > 5°C.

No pretreatment is necessary for gypsum based fillers. Optimization of surface homogeneity of subsequent paint coats, in particular under difficult light conditions, can be achieved by a pretreatment with KEIM Soliprim. In the case of glancing light conditions, the substrate must be appropriately prepared, suitable tools must be used and greater care must be taken with application.

KEIM Innostar may be applied by paint brush, roller or airless sprayer (nozzle size: 421; see technical data sheet "Airless technique" for further information). Dilute the paint material only with water!



Base coat:  
(if needed on very high-contrast surfaces):  
Dilute 10 l of KEIM Innostar with maximum 0.5 l of clean water.

Top coat:  
KEIM Innostar undiluted.

### Drying times:

At a standard climate (20°C and 65% rel. atmospheric humidity) a drying time of approx. 6 hours must be allowed between coats.

### Consumption:

Approx. 125 ml KEIM Innostar per m<sup>2</sup> and coat.  
Apply test areas to determine the exact consumption values.

### Cleaning of tools:

Clean with water immediately after use.

## 5. PACKAGING

2.5 l, 5 l and 12.5 l container

## 6. STORAGE

12 months in sealed container under cool, frost-free conditions. Protect from heat and direct sunlight.

## 7. DISPOSAL

EC Waste Code No. 08 01 12.

Any residues must be emptied out of containers before recycling.

## 8. SAFETY INSTRUCTIONS

Giscode: BSW10

### Note:

Mixing with third-party products is not permitted!  
KEIM Innostar is formulated without the addition of pot preservatives. Medium and intensive colour shades may contain traces of pot preservatives.

Provide appropriate protection for surfaces which are not to be coated (e.g. glass, natural stone, ceramics etc.). Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Keep out of reach of children.

Please refer to EC Safety Data Sheet.

## 9. CERTIFICATES & QUALITY SEALS



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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 those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.