



## TECHNICAL DATA SHEET

# KEIM VERAMIN®

## 1. PRODUCT DESCRIPTION

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KEIM Veramin is a ready-to-use silicate coating material for facades. KEIM Veramin is water-repellent and contains lightfast inorganic pigments and mineral fillers. The composition complies with the requirements of VOB/C DIN 18363 Para. 2.4.1 for dispersion silicate paints. KEIM Veramin is awarded with Cradle to Cradle Certified® Silver and C2C Certified Material Health Certificate™ Gold.

## 2. FIELD OF APPLICATION

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KEIM Veramin can be used on all mineral substrates. KEIM Veramin is suitable for use in new buildings as well as for renovation coatings of facades thanks to its excellent product properties. In addition to its main application outdoors, it can also be used indoors on mineral substrates, for example on lime-cement plaster and cement plaster (plaster mortar groups PII and PIII).

Not suitable for:

gypsum renders; horizontal and inclined surfaces exposed to weathering; saponifiable existing substrates

## 3. PRODUCT PROPERTIES

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- easy to paint
- Cradle to Cradle Certified®-Certificate Silver
- C2C Certified Material Health Certificate™ Gold
- highly permeable
- highly water-repellent
- highly weather-resistant
- antistatic, non-thermoplastic
- absolutely UV-resistant
- anti-fungal and anti-algae thanks to ideal moisture balance
- fire behaviour: A2-s1,d0
- no solvents added

### MATERIAL CHARACTERISTICS:

- Density: approx. 1,3 - 1.5 g/cm<sup>3</sup>
- pH value: approx. 11

### CLASSIFICATION:

- Classification according to: DIN EN 1062-1
- Classification according to VOB: Silicate emulsion paint according to DIN 18363 sec. 2.4.1
- Diffusion-equivalent air layer thickness (sd-value): < 0,14 m
- Diffusion-equivalent air layer thickness class: V1
- Test standard Diffusion equivalent air layer thickness: DIN EN ISO 7783
- Water permeability: < 0,1 kg/(m<sup>2</sup>√h)
- Water permeability rate class: W3
- Test standard Water permeability rate: DIN EN 1062-3

- Gloss level at 85°: matt
- Test standard Gloss level: ISO 2813

### COLOUR SHADES:

White, colour shades only with pure mineral lightfast pigments. KEIM Veramin can be tinted with KEIM PPF-Technology® according to all common colour collections. Please always check the colour for correctness before application. Only use colour shades from one tinting batch within a surface.

## 4. APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION:

The substrate must be dry, sound, free from chalking, clean and dust-free. Loose parts of existing coatings must be removed mechanically or by high-pressure water jetting. Defective areas must be filled and texture-matched using a suitable repair material. Any sintered layers on new renders must be removed with KEIM Ätzflüssigkeit (lime remover) according to instructions. New render areas (repairs) are generally to be pretreated with KEIM Ätzflüssigkeit (lime remover) according to the specifications in the Technical Data Sheet. Strongly absorbing surfaces must be primed with KEIM Granital-Dilution. Please, refer to the Technical Data Sheet of the primer regarding application and dilution. Old, film-forming coatings that are not sound or hinder vapour diffusion must be removed with the paint stripper KEIM Dispersionsentferner or by mechanical methods. Old coatings that are plasto-elastic or susceptible to saponification are not suitable for coating. Sinter layers on new renders or render repairs are generally to be pretreated with KEIM Ätzflüssigkeit (lime remover). A pretreatment with KEIM Silangrund is recommended for surfaces exposed to high moisture or weathering.

### APPLICATION CONDITIONS:

Ambient and substrate temperature  $\geq 5$  °C during application and drying. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

### PREPARATION OF MATERIAL:

Stir up KEIM Veramin thoroughly before application.

### APPLICATION:

KEIM Veramin can be painted, rolled or sprayed (nozzle:  $\geq 435$ , note: Please note TM Airless technique).

#### Mineral substrates:

Primer coat: KEIM Veramin Depending on absorbency of the substrate with up to max. 20 % with KEIM Spezial-Fixativ

final coat: KEIM Veramin undiluted.

#### Organic substrates (subsequent build-up is only approved for white and light shades (price group 1) on organic substrates):

Primer coat: KEIM Veramin-Fondo or alternatively an on-site mixture of 1 container KEIM of ContactPlus (25kg) to 1 container KEIM Veramin (12.5 litres).

Final coat: KEIM Veramin undiluted.

Note: In case of very heavy use and/or critical intensive colour shades, the primer coat with KEIM Veramin-Fondo is recommended and, if necessary, an intermediate and finishing coat with KEIM Veramin

In case of structural differences and/or hairline cracks (the following build-up descriptions are approved exclusively for white and light shades (price group 1) on organic substrates):

#### Slight structural differences:

##### Slight differences in structure:

Primer coat: On-site mixing of 1 container KEIM of Contact-Plus (25kg) with up to 1 container KEIM Veramin (12.5 litres).

Final coat: KEIM Veramin undiluted.

##### Strong structural differences and/or hairline cracks:

Primer coat: Full surface with KEIM Contact-Plus.

Intermediate coat: KEIM Veramin Depending on absorbency of the substrate with up to max. 20 % with KEIM Spezial-Fixativ

final coat: KEIM Veramin undiluted

To reduce the slurry effect, the added quantity KEIM Contact-Plus can be reduced for mineral substrates.

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### DRYING TIME:

Can be overcoated after 12 hours at the earliest (at 23 °C and 50% RH). At higher relative humidity, layer thicknesses and/or lower temperatures, drying is delayed accordingly. After pretreatment with KEIM Silangrund, the base coat should be applied after approx. 4 hours.

### CONSUMPTION:

approx. 120 - 140 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.

### 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
2.5	l	80	bucket

## 6. STORAGE

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max. storage time	Storage conditions
12 months	cool frost-free keep container tightly sealed.

## 7. DISPOSAL

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

### EC WASTE CODE:

Waste code: 08 01 12

## 8. SAFETY INSTRUCTIONS

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Please, refer to the Material Safety Data Sheet.

## 9. GENERAL INFORMATION

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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

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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 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.

