TECHNICAL DATA SHEET

KEIM VERAMIN®

1. PRODUCT DESCRIPTION

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 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 Veramin can be used on all mineral substrates. Thanks to its product properties, KEIM Veramin is suitable both for new-build projects and for the renovation of façades. In addition to its main application in exterior areas, 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 plasters; horizontal and sloping, weather-exposed surfaces; old substrates susceptible to saponification

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)
- QNG compliant
- permeable
- water-repellent
- easy to paint
- fire behaviour: A2-s1,d0
- weather-resitant
- antistatic, non-thermoplastic
- UV-resistant
- anti-fungal and anti-algae thanks to ideal moisture balance
- no solvents added

MATERIAL CHARACTERISTICS:

– Density	approx. 1.3 g/cm³ - 1.5 g/cm³
– 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
– Standard Diffusion equivalent air layer thickness	DIN EN ISO 7783
– Water permeability	< 0,1 kg/(m²√h)

– Water permeability rate class	W3
– Standard Water permeability rate	DIN EN 1062-3
– Gloss level	G3 – matt (measuring angle 85°)
– Standard Gloss level	ISO 2813

COLOUR SHADES:
White; colour shades are produced exclusively using purely mineral, lightfast pigments. KEIM Veramin can be tinted to match all standard colour ranges via the KEIM Lokale Farbwerkstatt® using KEIM PPF-Technologie®. Please always check the colour shade for accuracy before application. Only use colour shades from a single tinting batch within a single surface area.

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 Fluat-10 according to instructions. New render areas (repairs) are generally to be pretreated with KEIM Fluat-10 according to the specifications in the Technical Data Sheet.

Non-suitable substrates:
gypsum renders; substrates with salt efflorescences; horizontal and inclined surfaces exposed to weathering; wood substrates; plasto-elastic coatings; saponifiable existing substrates; non-wettable substrates

APPLICATION CONDITIONS:
Ensure the ambient and substrate temperatures are ≥ 5 °C during application and drying. Do not apply in direct sunlight or onto substrates heated by the sun. Protect surfaces from direct sunlight, wind and rain during and after application.

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

CONSUMPTION:
approx. 120 - 140 mL/m² 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 Veramin can be painted, rolled or sprayed (nozzle: ≥ 435).

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.

TOP COAT:

FINISHING:

DRYING TIME:
Can be overcoated after 12 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. After pretreatment with KEIM Silan-Primer, the base coat should be applied after approx. 4 hours.

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
2.5	L	80	bucket

6. STORAGE

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

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; (Cat. A/c): 40 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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