



## TECHNICAL DATA SHEET

# KEIM LIGNOSIL®-VERANO

## 1. PRODUCT DESCRIPTION

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KEIM Lignosil-Verano is a silicate greying stain for limited dimensionally stable and non-dimensionally stable exterior wood components. The surface treatment KEIM Lignosil-Verano simulates a greyed, patinated surface, as it results from several years of weathering on natural wood. KEIM Lignosil-Verano is subject to natural ageing and thus equalises the visual differences that can arise from uneven weathering of exposed and protected surfaces on uncoated wood. Please note: KEIM Lignosil-Verano is a surface treatment and is neither a wood preservative according to DIN 68800 nor a coating according to DIN EN 927. KEIM Lignosil-Verano is awarded with Cradle to Cradle Certified® Silver and C2C Certified Material Health Certificate™ Gold.

## 2. FIELD OF APPLICATION

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Silicate greying glaze in the KEIM Lignosil system for the design of non-dimensionally stable and limited dimensionally stable wood components in exterior areas, preferably with a sawed surface.

Interior application possible. Note: KEIM Lignosil-Verano is not a water protection according to DIN EN 927-2.

Not suitable for:

mechanically stressed surfaces; horizontal/inclined weathered surfaces such as: terrace and balcony floor, handrail stairs/balcony

## 3. PRODUCT PROPERTIES

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- especially economical
- fast-drying
- ready to use
- C2C Certified Material Health Certificate™ Gold
- Cradle to Cradle Certified®-Certificate Silver
- matt, natural appearance
- non-film forming
- no blocking
- good adhesion
- simulates a natural, greyed, patinated wood surface
- permeable
- absolutely lightfast
- absolutely UV-resistant
- no biocides added
- odourless

### MATERIAL CHARACTERISTICS:

- Density: approx. 1.1 - 1.2 g/cm<sup>3</sup>
- pH value: approx. 11

### CLASSIFICATION:

- Diffusion-equivalent air layer thickness (sd-value): < 0,02 m
- Test standard Diffusion equivalent air layer thickness: DIN EN ISO 12572 wet-cup

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### COLOUR SHADES:

Classic and metallic colour shades available. Please, refer to KEIM Lignosil-Verano colour chart. Notes: The colour effect of Lignosil-Verano depends on the type of wood, the nature of the substrate as well as the method of application and can only be determined by creating sample surfaces. When using water-based products on wood, discolouration may occur due to wood ingredients.

In order to achieve a surface that is as even as possible, a double treatment is recommended.

## 4. APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION:

The substrate must be sound, dry (wood moisture content below 18% according to technical information No. 18 by BFS), clean, free of dust, loose parts, oil and any other substances with separative properties.

Smoothly planed wood can only be used for small sub-areas such as supports/ reveal boards and must be roughly sanded (sanding grit 40s - 60s) before treatment with KEIM Lignosil-Verano.

### 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.

### APPLICATION:

Treatment with KEIM Lignosil-Verano can be single or double, depending on the desired appearance. Application is possible with brush, roller, airless device (nozzle  $\geq 417$  ) or industrial coating methods.

Mechanical damage must be repaired with original material.

### DRYING TIME:

Surface dry after 4 hours at the earliest (at 23 °C and 50% relative humidity) At higher relative humidity, layer thicknesses and/or lower temperatures, drying is delayed accordingly.

### CONSUMPTION:

approx. 0,15 l/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

Container content	Unit of measure	Quantity on pallet	Type of container
20	l	22	tin bucket
5	l	70	tin bucket
2.5	l	160	tin can
1	l	210	tin can

## 6. STORAGE

max. storage time	Storage conditions
12 months	cool frost-free

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max. storage time	Storage conditions
	keep container tightly sealed. protected from heat and direct sun.

### 7. DISPOSAL

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

#### EC WASTE CODE:

EC WASTE CODE: 08 01 12

### 8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

### 9. GENERAL INFORMATION

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.



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