



## TECHNICAL DATA SHEET

# KEIM LIGNOSIL®-INCO

## 1. PRODUCT DESCRIPTION

---

KEIM Lignosil-Inco is an innovative silicate paint for interior wood and wood-based materials. KEIM Lignosil-Inco Preserves the natural hygroscopic properties of wood and thus ensures a natural and pleasant indoor climate. KEIM Lignosil-Inco is awarded with the Cradle to Cradle Certified®-Certificate Silver and the C2C Certified Material Health Certificate™ Gold.

## 2. FIELD OF APPLICATION

---

For opaque and glazing silicate paint coatings and for the design of wood and wood-based materials in interior areas.

## 3. PRODUCT PROPERTIES

---

- particularly economic to refinish
- excellent adhesion
- non-film forming
- from opaque up to translucent finish
- mineral matt
- low environmental impact
- Cradle to Cradle Certified®-Certificate Silver
- C2C Certified Material Health Certificate™ Gold
- permeable
- unequalled colour stable
- absolutely lightfast
- absolutely UV-resistant
- no hazardous emissions (acc. to test certificate)
- no solvents added
- no biocides added
- no preservatives added
- no plasticisers added
- odourless

### MATERIAL CHARACTERISTICS:

- |   |                                     |
|---|-------------------------------------|
| - Density:  | approx. 1.2 - 1.4 g/cm <sup>3</sup> |
| - Organic content:  | < 5 %                               |
| - pH value:   | approx. 11                          |
| - Colour fastness (Fb-code pursuant to BFS Leaflet No. 26): | A1                                  |

### COLOUR SHADES:

White and colour shades only with purely mineral, light-resistant pigments. All colour shades can be mixed with each other. Metallic colours 1001-1004, special colours on request.

Note: The colour coordinates of the colour shades 9001 - 9010 deviate from the representation in the KEIM Exclusiv colour chart due to the system.

## 4. APPLICATION INSTRUCTIONS

---

## TECHNICAL DATA SHEET – KEIM LIGNOSIL®-INCO

### 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. Planed larch wood must be sanded before priming. In the case of wood coatings, discolouration may occur due to wood ingredients. Please refer to the Technical Data Sheet KEIM Lignosil-Scudo.

### APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying must be  $\geq 5$  °C.

### APPLICATION:

KEIM Lignosil-Inco can be applied with a brush, roller or airless device (nozzle  $\geq 417$  ). Coats with KEIM Lignosil-Inco must always be applied twice. The top coat is applied after the first paint coating has dried, at the earliest after 24 hours. To achieve opaque coatings, apply KEIM Lignosil-Inco undiluted. Glazing coatings can be achieved by diluting KEIM Lignosil-Inco with KEIM Lignosil-Inco-DL. A mixing ratio in the range of 1:1 to 1:20 is recommended (KEIM Lignosil-Inco : KEIM Lignosil-Inco-DL).

Note: The colour effect of KEIM Lignosil-Inco depends on the type of wood, the nature of the substrate and the method of application and can only be determined by applying samples. In the case of wood coatings, discolouration may occur due to wood ingredients. Please refer to the technical data sheet KEIM Lignosil-Scudo!

### DRYING TIME:

Can be overcoated after 24 hours at the earliest (at 23 °C and 50% RH). At higher relative humidity, layer thicknesses and/or lower temperatures, drying is delayed accordingly.

### CONSUMPTION:

approx. 0,2 l/m<sup>2</sup> for two coatings.

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		tin can

## 6. STORAGE

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

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.