



TECHNICAL DATA SHEET

KEIM LIGNOSIL®-INCO

1. PRODUCT DESCRIPTION

KEIM Lignosil-Inco is an innovative silicate paint for wood and wood-based materials indoors. KEIM Lignosil-Inco preserves the natural hygroscopic characteristics of wood and thus provides a natural and pleasant indoor climate.

2. FIELD OF APPLICATION

For opaque and semi-transparent silicate paint coatings and creative design finishes of wood and wood-based materials in interior spaces.

3. PRODUCT PROPERTIES

- Mineral matt
- From translucent up to opaque paint finish
- Permeable
- Non-film forming
- Ecological
- No solvents or plasticiser
- No emissions harmful to health (TÜV certificate)
- Absolutely lightfast and UV-stable
- Excellent adhesion
- Particularly economical to repaint
- Unequalled colourfast

Material characteristics:

Density: approx. 1.2 - 1.4 g/cm³

Colour shade:

White and colours of the KEIM Palette Exklusiv and KEIM Avantgarde colour swatches, more colours on request. All colours can be mixed among each other. Monochrome shades 9001-9010, metallic colours 1001-1004, special colours on request.

Note: The colour position of the colours 9001-9010 deviates system-related from the illustration on the colour card KEIM Palette Exklusiv.

4. APPLICATION INSTRUCTIONS

Substrate preparation:

The substrate must be sound, dry, clean, free of loose parts, dust, oil or any other substances with separative properties.

Application:

KEIM Lignosil-Inco can be applied by brush, roller or airless. Coatings with KEIM Lignosil-Inco have to be always performed twice. The top coat is applied after drying of the first coat, at the earliest after 24 hours.

KEIM Lignosil-Inco is applied undiluted for an opaque paint finish. For transparent designs dilute KEIM Lignosil-Inco with KEIM Lignosil-Inco-DL. Mixing ratios from 1:1 up to 1:20 (KEIM Lignosil-Inco : KEIM Lignosil-Inco-DL) are recommended.

Note: The colour effect of KEIM Lignosil-Inco depends on the wood type, substrate quality as well as the way of application. It can be only determined by applying trial areas onto the structure to be coated. When coating wood, discolourations due to staining wood ingredients may occur. In such a case please refer to the Technical Data Sheet for KEIM Lignosil-Scudo.

Application conditions:

Ambient and substrate temperature > +5°C. Only apply under dry conditions (below 18% wood moisture content acc. to technical information No. 18 by BFS)

Drying time:

Recoatable usually after 24 hours at 23°C and 50% relative atmospheric humidity. Lower temperatures and/or higher relative humidity extend the drying.

Consumption:

For two coats: approx. 0.2 l/m².

This consumption value is a guide value. Exact values depend on substrate texture and application method and can only be determined by trial areas.

Cleaning of tools

With water.

5. PACKAGING

1 l, 2.5 l, 5 l and 20 l container

6. STORAGE

Shelf life is 12 months in sealed container under cool, frost-free conditions. Protect from heat and direct sun.



7. DISPOSAL

EC Waste Code No. 08 01 12

Any residues must be emptied out of containers before recycling.

Note: Wood treated with KEIM Lignosil falls under class A II according to the waste wood ordinance (laminated, coated, lacquered waste wood without halogen-organic compounds in the coating and without wood preservatives).

8. SAFETY INSTRUCTIONS

Giscode: BSW10

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.

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.



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