



TECHNICAL DATA SHEET

KEIM LIGNOSIL®-VERANO

1. PRODUCT DESCRIPTION

KEIM Lignosil-Verano is a silicate greying glaze for non-dimensionally stable and limited dimensionally stable wooden building components outside. It simulates a greyed, patinated surface like it occurs on natural wood after years of weathering. KEIM Lignosil-Verano is subject to a natural ageing process and equalizes in this way the visual differences which can appear by uneven weathering of exposed and protected surfaces of uncoated wood.

Please note: KEIM Lignosil-Verano is neither a wood protective agent according to DIN 68800 nor a coating as per DIN EN 927.

2. FIELD OF APPLICATION

Silicate greying glaze as part of the KEIM Lignosil-System for the design of non-dimensionally stable and limited dimensionally stable wood components outside, preferably used on saw-rough surfaces.

3. PRODUCT PROPERTIES

- Simulates a natural, greyed, patinated wood surface
- Biocide-free
- Colour-stable, lightfast
- Matt, natural appearance
- Good adhesion
- Non-film forming
- Open to diffusion
- No blocking
- Particularly economical
- Very fast drying

Material characteristics:

- Specific weight: approx. 1.1 - 1.2 g/cm³
- Diffusion-equivalent air layer thickness:
- $s_d^* < 0.02$ m (DIN EN ISO 12572 Wet-Cup)
- No water protection acc. to DIN EN 927-2

Colour shades:

Classic and metallic colour shades available. Please, see KEIM Lignosil-Verano colour chart.

4. APPLICATION INSTRUCTIONS

Substrate preparation:

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

Application:

KEIM Lignosil-Verano can be applied in one or two coats depending on the desired appearance. The classic and the metallic colour shades of KEIM Lignosil-Verano can be diluted with Lignosil-Verano-DL/-DLM to achieve the desired degree of translucency and to enhance the beauty of the wood grain to shine through.

Application can be performed by paint brush, roller, airless sprayer or by industrial coating procedures. Mechanical defects must be repaired with original material.

Note:

The colour effect of KEIM Lignosil-Verano depends on the wood type, substrate quality as well as the way of application. It can only be determined by applying trial areas on the structure to be coated. When using aqueous wood coatings, discolourations due to staining wood ingredients may occur. A coating with KEIM Lignosil-Verano can replace the second coat with KEIM Lignosil-Color. For a one-coat application with KEIM Lignosil-Color, we recommend a two-coat finish with KEIM Lignosil-Verano.

Application conditions:

Ambient and substrate temperature $> +5^\circ\text{C}$. Apply in dry weather only. Do not apply in strong sunlight, onto sun-heated substrates or in strong wind. Protect coated surfaces from too fast drying, direct sunlight, wind and rain also after application.

Consumption:

For one coat approx. 0.1 - 0.2 l/m² of KEIM Lignosil-Verano.

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

Drying time:

Approx. 4 hours at 23°C and 50% relative atmospheric humidity. Lower temperatures and/or higher relative humidity extend the drying.



Cleaning of tools:

With water. During breaks tools should be kept in the glaze material or in water.

5. PACKAGING

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

6. STORAGE

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

7. DISPOSAL

EC Waste Code No. 08 11 02

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 Material 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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