



1. Product description

KEIM Lignosil-Base is a highly specialised primer for wood in exterior spaces. KEIM Lignosil-Base consolidates the wood surface thanks to a specific alkyd resin based formulation. It contains unique, fine, silicate components which guarantee an ideal compound with the colour finish KEIM Lignosil-Color.

2. Field of application

Primer as part of the KEIM Lignosil-System for weather protection of non-dimensionally stable and limited dimensionally stable wood. Do not use KEIM Lignosil-Base as a finish coating! KEIM Lignosil-Base must be always be refinished with Lignosil-Color or -IQ, **except** on-site coating of cut surfaces in non-visible areas.

3. Product properties

- Excellent moisture protection (within the KEIM Lignosil-System)
- Excellent adhesion
- Good penetration property
- Solvent-containing
- Consolidating
- Unique silicate components
- Tested acc. to DIN EN 927
- Externally monitored by the institute Fraunhofer-WKI (No. OT.135-2010)
- European patent EP 2 208 544

Material characteristics

- Solids: approx. 60%
- Density: approx. 0.9 g/cm³
- Binding agent: long oil alkyd resin
- Diffusion-equivalent air layer thickness: $s_d^* < 0.5 \text{ m}$
(DIN EN ISO 12572 wet-cup)
- Water absorption values: $mc^* \leq 175 \text{ g/m}^2$
(DIN EN 927-2)

* System structure (KEIM Lignosil-Base + KEIM Lignosil-Color)

Colour shade

Colourless

4. Application instructions

Substrate preparation

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

Old coatings can be overcoated after examination. It is recommended, however, to remove the old coatings as far as possible. Oily wood types have to be cleaned with white spirit.

Priming

The primer has to be applied twice, preferably by brush, roller, airless sprayer or by machine.

New wood must be always primed twice and all around. If required, KEIM Lignosil-Base can be diluted with maximal 10% of KEIM Lignosil-Base-DL. After drying follows the finish with KEIM Lignosil-Color. Please, observe drying times!

When renovating old coatings which were performed all around or totally intact, uncoated façade claddings, the priming of the backside is not required.

Note: All cut surfaces must be always protected from moisture by coating with KEIM Lignosil-Base.

Colour finish

The colour finish of the visible face is applied twice and undiluted with KEIM Lignosil-Color.

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.

Drying time

KEIM Lignosil-Base is dust-dry after approx. 6 hours at 23°C and 50% relative atmospheric humidity and usually recoatable after 24 hours. Lower temperatures and/or higher relative humidity extend the drying

Consumption

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

Approx. 0.1 l/m² of KEIM Lignosil-Base for two priming coats on rough sawn, new wood depending on wood type.



Cleaning of tools

With turpentine substitute

5. Packaging

2.5 l, 5 l and 20 l container, 200 l barrel,
Sample: 250 ml

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 01

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

GISBAU Product Code/GISCODE: M-GF 04

Please, refer to the 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.

