



TECHNICAL DATA SHEET

KEIM LIGNOSIL®-COLOR

1. PRODUCT DESCRIPTION

KEIM Lignosil-Color is an exterior, opaque, silicate, colour coating for wood. KEIM Lignosil-Color in combination with KEIM Lignosil-Base/-W provides a durable weather protection.

2. FIELD OF APPLICATION

Opaque paint finish as part of the KEIM Lignosil-System for the protection of non-dimensionally stable and limited dimensionally stable wood.

3. PRODUCT PROPERTIES

- Excellent moisture protection (within the KEIM Lignosil-System)
- Absolutely UV-stable
- Absolutely lightfast
- Unrivalled colourfastness
- Mineral matt,
- Excellent adhesion
- Highly weather-resistant
- Unequalled durability
- Non-film forming
- Easy to renovate and, particularly economic to refinish
- Tested acc. to DIN EN 927
- Externally monitored by the institute Fraunhofer-WKI (No. OT.135-2010)
- European patent EP 2 208 544
- Tested by Holzforschung Austria (research and testing institute for wood)

Material characteristics

- Solids: approx. 55%
- Density: approx. 1.4 - 1.6 g/cm³
- Diffusion-equivalent air layer thickness: $s_d^* < 0.5$ m (DIN EN ISO 12572 wet-cup)
- Water absorption values: $mc^* \leq 175$ g/m² (DIN EN 927-2)
- *) 2 x (KEIM Lignosil-Base/-W + KEIM Lignosil-Color)

Colour shade

White and colours of the KEIM Avantgarde and KEIM Palette Exklusiv colour swatches. Additional colour shades

upon request. All colours can be mixed among each other. 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 dust, oil, loose parts or any other substance with separative properties.

Application:

Application is possible by paint brush, roller or airless sprayer. Industrial application by coating machines is possible.

Base coat:

KEIM Lignosil-Color is applied undiluted onto the dried priming coat with KEIM Lignosil-Base/-W

Top coat:

KEIM Lignosil-Color undiluted after the base coat has dried

Note: For an opaque finish KEIM Lignosil-Color must be applied twice and undiluted!

Alternative: Instead of the second coat with Lignosil-Color, a semi-transparent coat with KEIM Lignosil-Verano can be performed.

Note: 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 $> +5^\circ\text{C}$. 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:

The base coat 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:

Approx. 0.2 l/m² of KEIM Lignosil-Color for two coats over KEIM Lignosil-Base/-W.

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

2.5 l, 5 l and 15 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 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

Giscode: BSW50

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.

