



### 1. Product description

KEIM Lignosil-Artis is a ready-to-use, silicate thin-layer coating for exterior use. KEIM Lignosil-Artis provides a durable, protective weather coating together with KEIM Lignosil-Color/-IQ.

### 2. Field of application

KEIM Lignosil-Artis is used outdoors to create coatings with KEIM Lignosil-Color/-IQ. The manual, artistic performance with single or several application procedures makes translucent or semi-transparent coatings onto KEIM Lignosil-Color/-IQ possible. KEIM Lignosil-Artis is part of the KEIM Lignosil-System to protect non-dimensionally stable and limited dimensionally stable wood from weather influences.

### 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
- Unequaled durability
- Non-film forming
- Easy to renovate and, particularly economic to repaint

#### Material characteristics

- Density: approx. 1.25 g/cm<sup>3</sup>
- 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/-IQ + multilayer KEIM Lignosil-Artis)

#### 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 loose parts, dust, oil or any other substances with separative properties.

#### Application

KEIM Lignosil-Artis can be applied by brush, roller or airless. The creative character of a coating with KEIM Lignosil-Artis mainly depends on the choice of tools, application method, number of layers and the dilution ratio (Lignosil-Artis : Lignosil-Artis-DL).

It is recommended to perform test areas in mixing ratios from 1:1 up to 1:20 (Lignosil-Artis : Lignosil-Artis-DL).

One coating with KEIM Lignosil-Artis is always applied onto the dried KEIM Lignosil-Color/-IQ coating. Multiple layer coatings are possible

Note: A translucent or semi-transparent coating with KEIM Lignosil-Artis can replace the second coat with KEIM Lignosil-Color/-IQ. In case of a one-coat application with KEIM Lignosil-Color is a two-coat finish with KEIM Lignosil-Artis/-DL recommended.

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

Dust-dry after approx. 6 hours at  $23^\circ\text{C}$  and 50% relative atmospheric humidity and usually recoatable after 12 hours. Lower temperatures and/or higher relative humidity extend the drying.

#### Consumption

Depending on the mixing ratio and per coat onto KEIM Lignosil-Color/-IQ approx. 0.1 l of KEIM Lignosil-Artis/-DL per m<sup>2</sup>.



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

1.0 l, 2.5 l, 5 l and 20 l container  
Quality sample: 250 ml

## 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

GISBAU Product Code/GISCODE: M-SK 01

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 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.

