



## TECHNICAL DATA SHEET

# KEIM KÜNSTLERFARBEN

## 1. PRODUCT DESCRIPTION

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KEIM Künstlerfarben are purely silicate two-component paints for artistic paintings of the highest durability and unsurpassed luminosity. KEIM Künstlerfarben consist of a mixed colour paste and a liquid water glass fixative. KEIM Künstlerfarben Particularly high-quality purely inorganic colour preparation with maximum concentration of selected mineral pigments and finest silicifying additives, mixed in distilled water. KEIM Fixative Pure silicate binder (potassium silicate) for KEIM Künstlerfarben for subsequent fixing of finished paintings.

## 2. FIELD OF APPLICATION

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KEIM Künstlerfarben are preferably used on KEIM Malgrundmasse (painting primer), which is an ideal substrate. KEIM Künstlerfarben can be applied both opaque and glazed. Painting with the unbound colour pastes also allows corrections and interruptions during the work. KEIM Künstlerfarben are striking due to their high pigment concentration and colour purity with unrivalled luminosity. The pure silicate bond also ensures extreme durability and longevity.

## 3. PRODUCT PROPERTIES

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- ideal for application with KEIM A-technique
- mineral matt
- permeable
- absolutely lightfast
- inswellable
- unequalled colour stable
- extremely weather-resistant
- resistant against industrial emissions
- solvent-resistant
- inorganic pigments

### MATERIAL CHARACTERISTICS:

- Density: approx. 1.3 - 1.5 g/cm<sup>3</sup>
- pH value: approx. 11
- Colour fastness (Fb-code pursuant to BFS Leaflet No. 26): A1

### CLASSIFICATION:

- Classification according to VOB: Silicate emulsion paint according to DIN 18363 sec. 2.4.1
- Diffusion-equivalent air layer thickness (sd-value): ≤ 0,01 m
- Diffusion-equivalent air layer thickness class: V1
- Test standard Diffusion equivalent air layer thickness: DIN EN ISO 7783

### COLOUR SHADES:

30 shades available.

## 4. APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION:

The substrate must be dry, sound, free from chalking, clean and dust-free. Loose parts of existing coatings must be removed mechanically or by high-pressure water jetting. Defective areas must be filled and texture-matched using a suitable repair material. Any sintered layers on new renders must be removed with KEIM Ätzflüssigkeit (lime remover) according to instructions. New render areas (repairs) are generally to be pretreated with KEIM Ätzflüssigkeit (lime remover) according to the specifications in the Technical Data Sheet. KEIM Apply painting primer according to factory instructions. After sufficient standing time, apply KEIM Etching Liquid, diluted 1:3 with water, from bottom to top. Wash off with plenty of water.

### APPLICATION CONDITIONS:

Ambient and substrate temperature  $\geq 5$  °C during application and drying. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

### APPLICATION:

**Painting:** Before painting, moisten the surface well with distilled water so that you can paint wet on wet. Spray with the fixing syringe until the substrate is saturated and no longer absorbs water. Dilute KEIM Künstlerfarben (Artists' Paints) (factory mixed) with distilled water as required. This can be used for both opaque and glazing work. However, the paints must not be applied as a paste. If the substrate starts to set during the work, it must be moistened again. As long as the painting is not fixed, improvements can easily be made: Dampen the painting with distilled water, remove paint with a damp sponge and repaint the corrected area. Breaks in work are possible without any problems, provided the surface is re-moistened before work is resumed.

**Fixing:** Paintings with KEIM Künstlerfarben (Artists' Paints) are fixed several times: The substrate must be dry before fixing. Dilute KEIM Fixiermittel (fixing agent) in a ratio of 1:3 with distilled water and spray onto the finished painting with the fixing syringe. In the first and second fixing process, mist only very lightly. In the third and fourth fixing process, spray on a little more diluted fixative. Then paint the painting another four to five times with diluted fixative (this time with a broad brush). Apply only enough liquid so that the diluted fixative is completely absorbed by the substrate after 3 minutes. Carefully dab off any excess material with a clean cloth. Leave out any areas that do not absorb any more bonding agent during the next fixing process in order to avoid glazing due to over-fixation. Fixation is complete once no more paint can be rubbed off with a white cloth.

### DRYING TIME:

Can be overcoated after 12 hours at the earliest (at 23 °C and 50% RH). At higher relative humidity, layer thicknesses and/or lower temperatures, drying is delayed accordingly. Allow a drying time of at least 12 hours between the individual fixing processes. The previous fixing process must be completely dry under all circumstances.

### CONSUMPTION:

Consumption is to be determined by sampling surfaces.

These material consumption values are guide values for smooth substrates. Exact consumption values must be determined by means of test areas.

### CLEANING OF TOOLS:

Clean immediately with water.

## 5. PACKAGING

| Container content | Unit of measure | Type of container |
|-------------------|-----------------|-------------------|
| 0.1               | l               | glass             |

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### 6. STORAGE

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| max. storage time | Storage conditions |
|-------------------|--------------------|
| 12 months         | cool<br>frost-free |

### 7. DISPOSAL

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For disposal information refer to section 13 of the safety data sheet.

#### EC WASTE CODE:

Waste code: KEIM Artists' Paint: EC waste code no. 08 01 11 KEIM Fixiermittel (fixing agent): EC waste code no. 06 02 99

### 8. SAFETY INSTRUCTIONS

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Please, refer to the Material Safety Data Sheet.

#### GISCODE:

GIS code: BSW 50

### 9. GENERAL INFORMATION

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Painting care: At intervals of approx. 10 to 20 years it is advantageous to clean the painting with water, approx. 5% enriched with ammonia, using a soft brush to remove dust and dirt. Then rinse with clear water. Spray the completely dry surface several times with a mixture of KEIM fixative and water in a ratio of 1:3 for post-fixation.

Mixing with products not part of the system or other foreign additives is not permitted.

### 10. CERTIFICATES & QUALITY SEALS

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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 the purchaser and processor from the obligation to convince themselves of the suitability of our products for the intended application with due care, which is general practice in trade and crafts. The general rules of construction technology must be observed. We reserve the right to make modifications to improve the product or its application. This edition supersedes all earlier editions.