



### 1. Product description

Sol-silicate based, pigment-free additive for KEIM Concretal-Lasur.

### 2. Field of application

KEIM Concretal-Base is stirred into KEIM Concretal-Lasur as a low-pigment finish additive. In this way, the desired transparency can be established while maintaining an ideal application consistency and thickness.

### 3. Product properties

For providing a low-pigment finish on fair-faced interior and exterior concrete surfaces, e.g. to retain the fair-faced appearance while concealing stains or repairs with a concrete color shade and for providing color wash finishes when combined as required with KEIM Concretal-Lasur.

Tailored transparency effects can be achieved by one to three coats of low-pigment finish with KEIM Concretal-Lasur and Concretal-Base.

Using KEIM Concretal-Base as an additive in KEIM Concretal-Lasur makes it possible to achieve transparent, mineral matt low-pigment finishes together with ideal application consistency, reduced settling, weather resistant film thicknesses and a long open time.

KEIM Concretal-Base is:

- Siliceous
- Weather-resistant
- Without pigment

### Technical data

- Density: approx. 1.15 g/cm<sup>3</sup>
- pH-value: approx 11.3
- Vapor diffusion resistance:  $s_d$  (H<sub>2</sub>O) < 0.01 m
- Color pigments: none

### Color shade

Raw white/transparent, milky

### 4. Application instructions

The substrate must be dust-free and dry. Loose areas, dirt, oily substances, moss and algae and any unsound existing organically bound coats must be completely removed.

In the case of new concrete structures, any shuttering oil residues should be removed with KEIM Concrete Cleaner (Betonschnellreiniger).

Clean, strong concrete requires no pretreatment. Before KEIM Concretal-Lasur with KEIM Concretal-Base is applied, highly absorbent substrates or surfaces exposed to severe weather may be provided with a water-repellent substrate treatment using KEIM Silan primer or KEIM Silan-100 (tested to ZTV-ING) to enhance waterproofing.

The subsequent primer coat may be applied after approx. 4 hours in the case of KEIM Silan primer and after 4 to 24 hours in the case of KEIM Silan-100. Soft, porous concrete surfaces or existing mineral coats may be stabilized by pretreatment with KEIM Concretal-Dilution.

### Low-pigment coating

In exterior applications, the requirement for weathering resistance generally entails applying two coats of low-pigment coating by brush or roller. For the priming and finishing coat, KEIM Concretal-Lasur may be mixed in any ratio with KEIM Concretal-Base depending on the desired translucency of the finish. It is recommended to coat trial areas in order to determine the mixing ratio.

Keep material well stirred before and during work. Neither water nor any other materials (not being part of Concretal-System) may be added.

### Note



The system components Concretal-Lasur, Concretal-Base and Concretal-Dilution may be mixed together in any desired ratio. KEIM Concretal-Base provides an attractive transparency together with ideal application consistency and coating thickness. KEIM Concretal-Dilution provides highly transparent low-pigment finishes with good color brightness and a very low coating thickness.

### Application conditions

From +5°C (41°F) up to max. 30°C (86°F) air and substrate temperature, up to max. 80% relative humidity.

Only apply in dry weather conditions. Do not apply in strong sunlight, onto sun-heated substrates or in strong wind. After application, protect surfaces from excessively fast drying, wind and rain.

### Drying times

At least 12 hours between coats. Before priming coat approx. 4 hours after KEIM Silan primer or approx. 4 - 24 hours after KEIM Silan-100.

### Consumption

Depending on mixing ratio and per coat:

Approx. 80-150 ml/m<sup>2</sup> (2.7-5.1 fl oz per 10.8 sq ft) of premixed mixture of Concretal-Lasur and Concretal-Base.

The stated consumption figures are guide values for a smooth substrate. Exact values can only be determined by painting trial areas on the structure to be coated.

### Cleaning of tools

Clean with water immediately after use.

## 5. Packaging

5 l and 15 l (1.32 and 3.96 fl gal) container

## 6. Storage

KEIM Concretal-Base has a shelf life of 12 months in a closed container and under cool, frost-free conditions.

## 7. Hazardous substances ordinance class

n/a

## 8. Transport hazard class

n/a

## 9. Disposal

EC Waste Code no. 08 01 12

Any residues must be emptied out of containers before recycling.

## 10. Safety instructions

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 water. Protect the eyes and skin from splashes. Do not eat, drink or smoke during work. Keep out of reach of children.

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.

