

## KEIM Concretal®-Base

Additive for KEIM Concretal-Lasur



### 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 use with KEIM Concretal-Lasur, providing a low-pigment finish on fair-faced interior and exterior concrete surfaces, e.g. to retain the fair-faced appearance. KEIM Concretal-Base along with KEIM Concretal-Lasur is commonly used for changing the color completely or simply concealing stains, wide color variations or blending repairs with a concrete color shade. They can also be used for providing decorative color wash finishes. KEIM Concretal-Lasur can be diluted as required with KEIM Concretal-Base or KEIM Concretal-Dilution (Fixativ).

Weather resistant tailored transparency effects can be achieved by two or more coats of low-pigment finish with KEIM Concretal-Lasur and Concretal-Base. Single coats are possible where weathering is not a concern.

Using KEIM Concretal-Base as an additive in KEIM Concretal-Lasur makes it possible to achieve transparent, mineral matt low-pigment finishes. An ideal application consistency, reduced settling, increases weather-resistant application thicknesses and gives applicator a longer open time.

KEIM Concretal-Base is:

- Mineral matt finish that lasts
- Weather resistant

- Unpigmented
- LEED - yes

### Technical data

- Density: approx. 1.15 g/cm<sup>3</sup>
- pH-value: approx. 11
- Vapor diffusion resistance:  $s_d$  (H<sub>2</sub>O) < 0.01 m
- VOC content ASTM D6886: < 1 g/l
- Vapor Permeability 75 - 85 perms
- Color pigments: none

### Color shade

White semitransparent

### 4. Application instructions

#### Substrate preparation

The substrate must be sound, solid, dry, clean and free of dust, grease, oils, salts, moss, algae and other substances that would prevent bonding. Old resin coatings, loose substrate layers and organically bound coats must be removed. Repair damaged areas using the KEIM Concretal concrete repair system. Absorbing unpainted surfaces can be coated first with KEIM Concretal Lasur-Dilution.

For new concrete structures; Concrete should be at least 28 days old and any formwork oil for Concrete, mold lubricating oil, shuttering oil, mold release oil, concrete form oil residues and curing compounds should be removed with KEIM Concrete Cleaner (Betonschnellreiniger) or by other methods.

Clean, strong concrete without a sinter layer requires no pre-treatment.

Before KEIM Concretal-Lasur with KEIM Concretal-Base is applied, highly absorbent substrates or surfaces exposed to severe weather may be treated to enhance waterproofing with a water-repellent substrate treatment using KEIM Silangrund or KEIM Silan-100 (tested to ZTV-ING). A subsequent base coat of KEIM Concretal-Lasur



may be applied after approx. 4 hours for KEIM Silangrund and after 4 to 12 hours for KEIM Silan-100.

Soft, porous concrete surfaces or existing mineral coats may be stabilized by pretreatment with KEIM Concretal-Dilution (Fixativ).

### Low-pigment coating

For exterior applications where weathering resistance is needed applying two coats of low-pigment coating is required. For each coat, KEIM Concretal-Lasur may be mixed in any ratio with KEIM Concretal-Base depending on the desired translucency of the finish. Mixing ratios of 1:1 to 1:20 are common. Mixing ratios from 1:1 up to 1:4 are almost opaque. 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 may be added.

The prepared Lasur mix is applied by brush, roller or by airless spray and back rolled. It is important to work swiftly wet-in-wet and to maintain a wet edge to a corner or architectural feature.

### 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

Air and substrate temperature: >41 °F up to max. 86 °F (5 °C - 30 °C) up to max. 80% relative humidity.

Apply only to dry surfaces and in dry weather. Do not apply under direct sun or on sun-heated substrates or in strong wind. Surfaces must be protected after application from rain, wind and direct sun until they are completely cured.

### Drying times

At least 12 hours between coats.

If a surface is pretreated with one of the KEIM water repellants apply the first coat of KEIM Concretal-Lasur mixed with KEIM Concretal-Base approx. 4 hours after KEIM Silan primer or approx. 4 - 12 hours after KEIM Silan-100.

### Consumption

Consumption depends on the dilution ratio. For example a 1:1 ratio would be 1 gallon of KEIM Concretal-Lasur and 1 gallon of KEIM Concretal-Base.

The consumption value given is a guide value depending on the desired translucency effect, application method and substrate condition. Exact values may only be determined by a trial application on site.

### Cleaning of tools

Clean with water immediately after use.

## 5. Packaging

1 gallon  
and  
4 gallon (Packaged in a 5 gal pail)

## 6. Storage

KEIM Concretal-Base has a shelf life of 12 months in a closed un opened 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.

