



## TECHNICAL DATA SHEET

# KEIM CONCRETAL®-BASE

## 1. PRODUCT DESCRIPTION

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Pigment-free glaze additive on sol-silicate basis for KEIM Concretal-Lasur. KEIM Concretal-Base is awarded with Cradle to Cradle Certified® Silver and C2C Certified Material Health Certificate™ Gold.

## 2. FIELD OF APPLICATION

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When used with KEIM Concretal-Lasur for glazed design of exposed concrete surfaces in exterior and interior areas, e.g. preservation of the exposed concrete character when glazing over stains or repair areas in the concrete shade as well as coloured glazed designs. Individual transparency effects can be achieved by applying one to three glaze coats of KEIM Concretal-Lasur and KEIM Concretal-Base. The use of KEIM Concretal-Base as an additive in KEIM Concretal-Lasur allows transparent and mineral matt glaze coats with optimal processing consistency, low settling behaviour, weather-stable layer thicknesses and long open time.

## 3. PRODUCT PROPERTIES

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- C2C Certified Material Health Certificate™ Gold
- highly weather-resistant

### MATERIAL CHARACTERISTICS:

- Density: approx. 1,1 - 1.2 g/cm<sup>3</sup>
- pH value: approx. 11

### CLASSIFICATION:

- Diffusion-equivalent air layer thickness (sd-value): < 0,01 m

### COLOUR SHADES:

raw white transparent, milky

## 4. APPLICATION INSTRUCTIONS

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### SUBSTRATE PREPARATION:

The substrate must be dry, sound, clean and free of any loose material, dust, oil and other substances with a separating effect. Defective, existing organically bound coats must be completely removed. In case of new concrete structures, any shuttering oil residues must be removed with KEIM Betonschnellreiniger (concrete cleaner). Clean, strong concrete requires no pretreatment. Highly absorbent substrates or surfaces exposed to severe weather may be provided with a water-repellent, hydrophobic treatment. The subsequent base coat with KEIM Concretal-Base is to be applied after approx. 4 hours in the case of KEIM Silangrund and after 4 to 24 hours in the case of KEIM Silan-100. Soft, porous concrete surfaces or existing mineral coatings may be stabilised by performing a pretreatment with KEIM Concretal-Fixativ

### APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying from  $\geq 5$  °C to  $\leq 30$  °C. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

### PREPARATION OF MATERIAL:

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### CONSUMPTION:

Depending on the mixing ratio, ready-mixed mixture of Concretal-Lasur and Concretal-Base: 0.08 - 0.15 l/m<sup>2</sup> for a single coating.

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

### APPLICATION:

Glazing coat: In exterior areas, two coats of glaze with a brush or roller are usually necessary due to the requirement for weather resistance. For primer and top coat, KEIM Concretal-Lasur can be diluted with KEIM Concretal-Base in any ratio depending on the desired glaze effect. To determine the dilution ratio, it is recommended to apply test coats.

Note: The system components Concretal-Lasur, Concretal-Base and Concretal-Fixativ can be mixed in any ratio. KEIM Concretal-Base results in a beautiful transparency with ideal application consistency and layer thickness. KEIM Concretal-Fixativ allows highly transparent, colour-brilliant glazes with very low layer thickness.

### 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.

Pre-treatment with KEIM Silangrund approx. 4 hours.

Pre-treatment with KEIM Silan-100 approx. 4 - 24 hours.

### CLEANING OF TOOLS:

Clean immediately with water.

## 5. PACKAGING

Container content	Unit of measure	Quantity on pallet	Type of container
15	l	24	bucket
5	l	70	bucket

## 6. STORAGE

max. storage time	Storage conditions
12 months	keep container tightly sealed. cool frost-free protected from heat and direct sun.

## 7. DISPOSAL

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

Waste code: 08 01 12

## 8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

Cover surfaces not to be treated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.

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

### 9. 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.