



## TECHNICAL DATA SHEET

# KEIM DESIGN-BASE

## 1. PRODUCT DESCRIPTION

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

## 2. FIELD OF APPLICATION

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KEIM Design-Base is stirred into KEIM Design-Lasur as a glaze additive to achieve the desired transparency with ideal processing consistency and layer thickness. Individual transparency effects can be achieved by one to three glaze coats with KEIM Design-Fixativ and KEIM Design-Base. Particularly attractive effects can also be achieved when using the same colour tone in different dilution levels. The use of KEIM Design-Base as an additive in KEIM Design-Lasur allows transparent and mineral matt glaze coats with optimum application consistency, low settling behaviour, weather-stable layer thicknesses and long open time. KEIM Design-Base is stirred into KEIM Design-Lasur as a glaze additive to achieve the desired transparency with ideal processing consistency and layer thickness. Individual transparency effects can be achieved by one to three glaze coats with KEIM Design-Base and KEIM Design-Base. Particularly attractive effects can also be achieved when using the same colour tone in different dilution levels. The use of KEIM Design-Base as an additive in KEIM Design-Base allows transparent and mineral matt glaze coats with optimum application consistency, low settling behaviour, weather-stable layer thicknesses and long open time.

## 3. PRODUCT PROPERTIES

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- optimal consistency
- 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 strong, dry, clean, sound and free from adhesion-reducing residues. Remove dirt, adhesion-reducing old coatings and loose parts. Two silicate primer coats (preferably with a brush) should be applied for an ideally absorbent and homogeneous glaze substrate.

### APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying from ≥ 5 °C to ≤ 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.

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### PREPARATION OF MATERIAL:

#### CONSUMPTION:

approx. 0,1 L/m<sup>2</sup> for ready-to-use mixture of KEIM Design-Lasur with KEIM Design-Base and 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: For glazed coats, mix in the KEIM Design-Lasur with KEIM Design-Base until the desired glaze effect is achieved. Dilution is possible in any ratio, glaze levels of about 1:5 to 1:20 have proven successful in practice. (Dilution with Design-Fixativ is recommended for highly transparent glazes and for glazes in the solid colour range.) The prepared glaze must always be stirred well before and during work. Water or other materials must not be added. The glaze is applied with a suitable glaze brush (e.g. oval KEIM glaze brush) using the crosswise technique. When applying the glaze, it is important to work quickly and avoid build-up.

#### Note:

The system components of the Design-Lasur system, KEIM Design-Lasur, KEIM Design-Base and Design-Fixativ can be mixed with each other in any ratio. KEIM Design-Base results in a beautiful transparency with ideal application consistency and layer thickness. KEIM Design-Fixativ allows highly transparent, colour-brilliant glazes with low layer thickness.

#### CLEANING OF TOOLS:

Clean immediately with water.

## 5. PACKAGING

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

## 6. STORAGE

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

## 7. DISPOSAL

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

Waste code: 08 01 12

## 8. SAFETY INSTRUCTIONS

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Please, refer to the Material Safety Data Sheet. EU limit value for this product (Cat. A/a): 30 g/l; (Cat. A/c): 40 g/l.  
This product contains: 0 - 5 g/l VOC.

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### 9. GENERAL INFORMATION

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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.

### 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.

