



## TECHNICAL DATA SHEET

# KEIM DESIGN-LASUR

## 1. PRODUCT DESCRIPTION

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Ready-to-use glaze concentrate on sol-silicate basis according to DIN 1062-1, in combination with KEIM Design-Base and KEIM Design-Fixativ for the design of transparent glazes with a distinct mineral character. KEIM Design-Lasur also satisfies the requirements of DIN 18363 Section 2.4.1 for dispersion silicate paints. Brilliant and absolutely lightfast through the use of purely inorganic colour pigments. Resistant to weathering and environmental influences. KEIM Design-Lasur is awarded with Cradle to Cradle Certified® Silver and C2C Certified Material Health Certificate™ Gold.

## 2. FIELD OF APPLICATION

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For both interior and exterior use for individual glaze design. To enhance weather resistance, a hydrophobic pre-treatment on open-pored, mineral substrates may be advisable (KEIM Silan-100), and/or a double silicate coating system. By applying two to three coats of KEIM Design-Lasur, adjusted to the desired glaze level as desired with KEIM Design-Base and/or KEIM Design-Fixativ, a wide variety of glaze effects can be achieved. Transparency and colour depth depend on the selected colour shade and dilution level. Glaze levels of 1:5 to 1:20 (Design-Lasur to Design-Base) have proven themselves in practice. By using KEIM Design-Base, improved processing consistency, lower settling behaviour and a longer open time can be achieved.

## 3. PRODUCT PROPERTIES

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- C2C Certified Material Health Certificate™ Gold
- Cradle to Cradle Certified®-Certificate Silver
- permeable
- very efficient
- easy and fast processing
- absolutely lightfast
- resistant to environmental impacts
- resistant against industrial emissions
- antistatic, non-thermoplastic

### MATERIAL CHARACTERISTICS:

- |                                                             |                                                       |
|-------------------------------------------------------------|-------------------------------------------------------|
| - Density:                                                  | approx. 1.2 g/cm <sup>3</sup> - 1.3 g/cm <sup>3</sup> |
| - Organic content:                                          | < 5 %                                                 |
| - Colour fastness (Fb-code pursuant to BFS Leaflet No. 26): | A1                                                    |

### CLASSIFICATION:

- |                                                        |                                                           |
|--------------------------------------------------------|-----------------------------------------------------------|
| - Classification according to:                         | DIN EN 1062-1                                             |
| - 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                                                        |
| - Standard Diffusion equivalent air layer thickness:   | DIN EN ISO 7783                                           |

### COLOUR SHADES:

White and colour shades only with purely mineral, light-resistant pigments. On-site tinting exclusively with system related monochrome shades/full-tone colours monochrome shades 9018L to 9020L available (interior only).  
monochrome shades 9001L to 9012L available.  
Special colour shades 1001L - 1008L available.

## 4. APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION:

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues. Two silicate primer coats (preferably with a brush) should be applied for an ideally absorbent and homogeneous glaze substrate.

Non-suitable substrates:

horizontal and inclined surfaces exposed to weathering

### APPLICATION CONDITIONS:

Ambient and substrate temperature  $\geq 5\text{ °C}$  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.

### PREPARATION OF MATERIAL:

The prepared glaze must always be stirred homogeneously before and during work.

### CONSUMPTION:

approx. 100 mL/m<sup>2</sup> ready-made mixture of design glaze and design base..

For a single coat.

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 glazing coats, preferably mix 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 KEIM Design-Fixativ is recommended for highly transparent glazes and for glazes in the solid colour range.

The prepared glaze must always be stirred homogeneously before and during work. The finished glaze is applied with a glaze brush (e.g. oval KEIM glaze brush) using the cross-brush technique. When mixing with Design-Base, application with a roller is also possible. It is important when applying the glaze to always work quickly and in a wet state and to avoid build-up.

Note: KEIM Design-Base results in a beautiful transparency with ideal application consistency and layer thickness. KEIM Design-Fixativ allows highly transparent, brilliantly coloured glazes. KEIM Design-Lasur ist mit den zugehörigen Verdünnungen in jedem beliebigen Verhältnis mischbar.

### TOP RENDER:

### 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.<br>cool<br>frost-free<br>protected from heat and direct sun. |

Material residues from opened containers should be refilled into smaller containers to keep the air space in the bucket as low as possible.

### 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. EU limit value for this product (Cat. A/a): 30 g/l; (Cat. A/c): 40 g/l. This product contains: 0 - 3 g/l VOC.

GISCODE: BSW 40

### 9. GENERAL INFORMATION

Special colours metallic 1001L - 1008L do not fulfil the requirements of DIN 18363 section 2.4.1 for dispersion silicate paints.

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



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.



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