



TECHNICAL DATA SHEET

KEIM DESIGN-LASUR

1. PRODUCT DESCRIPTION

Ready-to-use glaze concentrate based on sol-silicate in accordance with DIN 1062-1, in combination with KEIM Design-Base and KEIM Design-Fixativ for creating transparent glazes with a distinctive mineral character. KEIM Design-Lasur also meets the requirements of DIN 18363 Section 2.4.1 for dispersion silicate paints. Brilliant and absolutely lightfast thanks to the use of purely inorganic colour pigments. Stable against weathering and environmental influences. KEIM Design-Lasur has been awarded Cradle to Cradle Certified® Full Scope Silver, Material Health Gold and Circularity Silver in accordance with Version 5.0.

2. FIELD OF APPLICATION

For individual glaze designs both indoors and outdoors. To enhance weather resistance, hydrophobic substrate pre-treatment on open-pored, mineral substrates may be recommended (KEIM Silan-100) and/or a double silicate coating structure. A wide variety of glaze effects can be achieved by applying two to three coats of KEIM Design-Lasur, adjusted to the desired glaze level with KEIM Design-Base and/or KEIM Design-Fixativ as desired. Transparency and colour depth depend on the selected colour tone and the degree of dilution. In practice, glaze levels of 1:5 to 1:20 (KEIM Design-Lasur to Design-Base) have proven successful. The use of KEIM Design-Base improves processing consistency, reduces settling behaviour and extends the open time.

3. PRODUCT PROPERTIES

- Cradle to Cradle Certified® Full Scope Silver (Version 5.0)
- Cradle to Cradle Certified® Material Health Gold (Version 5.0)
- Cradle to Cradle Certified® Circularity Silver (Version 5.0)
- permeable
- very productive
- easy and fast processing
- lightfast
- resistant against industrial emissions
- antistatic, non-thermoplastic

MATERIAL CHARACTERISTICS:

- | | |
|--|---|
| - Density | Approx. 1.2 g/cm ³ - 1.3 g/cm ³ |
| - 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 |

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- Standard Diffusion equivalent air layer thickness

DIN EN ISO 7783

COLOUR SHADES:

White and colour shades are produced exclusively with purely mineral, lightfast 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 solid, dry, clean, sound and free from residues that may impair adhesion. For an ideally absorbent and homogeneous glaze base, two silicate base coats should be applied (preferably with a brush).

Non-suitable substrates:

horizontal and inclined surfaces exposed to weathering

APPLICATION CONDITIONS:

Ensure the ambient and substrate temperatures are $\geq 5\text{ °C}$ during application and drying. Do not apply in direct sunlight or onto substrates heated by the sun. Protect surfaces from direct sunlight, wind and rain during and after application.

MATERIAL PREPARATION:

Before and during work, stir the prepared glaze repeatedly until it is homogeneous.

CONSUMPTION:

approx. 100 mL/m² ready-mixed blend of Design Glaze and Design Base, approx. 50 mL/m² ready-mixed blend of Design Glaze and Design Fixative. For a single coat.

The information on material consumption is a guide for smooth substrates. Exact consumption figures must be determined by carrying out test areas.

PROCESSING:

Glaze coating: For glaze coatings, KEIM Design-Lasur should preferably be mixed with KEIM Design-Base until the desired glaze effect is achieved. Dilution is possible in any ratio; in practice, glaze levels of approximately 1:5 to 1:20 have proven effective. For highly transparent glazes and for glazes in the full tone range, dilution with KEIM Design-Fixativ is recommended. Before and during work, the prepared glaze must be stirred repeatedly until homogeneous. The finished glaze is applied with a glaze brush (e.g. oval KEIM glaze brush) using the cross-coat technique. When mixing with Design-Base, application with a roller is also possible. When applying the glaze, it is important to always work quickly while the glaze is still wet and to avoid leaving any marks.

Note: KEIM Design-Base produces a beautiful transparency with ideal application consistency and layer thickness. KEIM Design-Fixativ allows for highly transparent, colour-brilliant glazes. KEIM Design-Lasur can be mixed with the corresponding thinners in any ratio.

CLEANING OF TOOLS:

Clean immediately with water.

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5. PACKAGING

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

6. STORAGE

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

Any material left over from opened containers should be transferred to smaller containers to minimise the amount of air space in the bucket.

7. DISPOSAL

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

Waste code: 08 01 12

8. SAFETY INSTRUCTIONS

Refer to the 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 - 1 g/l VOC.

GIS code: BSW 40

9. GENERAL INFORMATION

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

Cover surfaces not to be treated, particularly glass, ceramics and natural stone. Splashes on surrounding surfaces or traffic areas must be immediately diluted with plenty of water and removed.

Mixing with products from other systems or other external 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.



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