TECHNICAL DATA SHEET

KEIM DESIGN-BASE

1. PRODUCT DESCRIPTION

Pigment-free glaze additive on sol-silicate basis for KEIM Design-Lasur. KEIM Design-Base 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

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.

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)
- weather-resitant

MATERIAL CHARACTERISTICS:

– Density	approx. 1.1 g/cm³ - 1.2 g/cm³
– pH value	approx. 11

CLASSIFICATION:

– Diffusion-equivalent air layer thickness (sd value)	≤ 0,01 m

COLOUR SHADES:
raw white transparent, milky

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:
The substrate must be solid, dry, clean, sound and free from residues that may impair adhesion. Odstráňte nečistoty, uvoľnené časti a staré nátery znižujúce priľnavosť. Pre ideálne savý a homogénny podklad pod lazúry aplikujte dva silikátové základné nátery (najlepšie štetkou).

APPLICATION CONDITIONS:
The air and substrate temperature must be between ≥ 5 °C and ≤ 30 °C during application and drying. Do not apply in direct sunlight or on substrates heated by the sun. Protect surfaces from direct sunlight, wind and rain during and after application.

CONSUMPTION:
approx. 0,1 L/m² for ready-to-use mixture of KEIM Design-Lasur with KEIM Design-Base and for a single coating.
The information on material consumption is a guide for smooth substrates. Exact consumption figures must be determined by carrying out test areas.

PROCESSING:
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.

TOP COAT:

PAINT STRUCTURE:

POST-TREATMENT:

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

Maximum 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

Refer to the safety data sheet.

GIS code: BSW 40

9. GENERAL INFORMATION

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

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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