



TECHNICAL DATA SHEET

KEIM CONCRETAL[®]-BASE

1. PRODUCT DESCRIPTION

Sol-silicate based, pigment-free glaze additive for KEIM Concretal-Lasur.

2. FIELD OF APPLICATION

KEIM Concretal-Base is stirred into KEIM Concretal-Lasur to achieve a glaze or colour wash finish. In this way, the desired transparency can be prepared while maintaining an ideal application consistency and film thickness.

3. PRODUCT PROPERTIES

In combination with KEIM Concretal-Lasur for semi-translucent finishes in glazing technique on fair-faced interior and exterior concrete surfaces, for instance to retain the character of the concrete while concealing stains or repairs with a concrete colour shade and for colour wash finishes.

Individual transparency effects can be realised by one to three layers of colour wash coatings with KEIM Concretal-Lasur and Concretal-Base.

Using KEIM Concretal-Base as an additive in KEIM Concretal-Lasur allows transparent, mineral matt finishes together with ideal application consistency, reduced settling, weather-resistant film thicknesses and a long open time.

KEIM Concretal-Base is:

- Silicate
- Weather-resistant
- Unpigmented

Technical data:

- Density: approx. 1.1 - 1.2 g/cm³
- pH-value: approx. 11
- s_d-value: < 0.01
- Colour pigments: none

Colour shade:

Off-white/transparent, milky

4. APPLICATION INSTRUCTIONS

The substrate must be dust-free and dry. Loose parts, dirt, oily substances, moss and algae and any unsound existing organically bound coats must be completely removed.

In the case of new concrete structures, any shuttering oil residues must be removed with KEIM Concrete Cleaner (Betonschnellreiniger).

Clean, strong concrete requires no pretreatment.

Before KEIM Concretal-Lasur with KEIM Concretal-Base is applied, highly absorbent substrates or surfaces exposed to severe weather may be provided with a water-repellent substrate treatment using KEIM Silangrund or KEIM Silan-100 (tested to ZTV-ING) to enhance the water protection.

The subsequent base coat with KEIM Concretal-Lasur 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 coats may be stabilised by pretreatment with KEIM Concretal-Fixativ.

Glaze coating:

For exterior application the requirement for weathering resistance generally entails to apply two coats by brush or roller. KEIM Concretal-Lasur may be mixed in any ratio with KEIM Concretal-Base depending on the desired translucency of the finish. This applies for the base coat and top coat. It is recommended to apply trial areas in order to determine the dilution ratio.

Keep material well stirred before and during work. Neither water nor any other materials must be added.

Note:

The system components Concretal-Lasur, Concretal-Base and Concretal-Fixativ may be mixed together in any desired ratio. KEIM Concretal-Base provides an attractive transparency together with ideal application consistency and film thickness.

KEIM Concretal-Fixativ provides highly transparent colour wash finishes with true colour brilliance and a very low film thickness.



Application conditions:

From +5°C up to max. 30°C air and substrate temperature. Only apply onto dry substrates, outside only in dry weather conditions. Do not apply in strong sunlight, onto sun-heated substrates or in strong wind. Protect the surfaces also after application from direct sun, drying too fast, wind and rain.

Drying times:

At least 12 hours between glaze coats. Before performing the base coat wait approx. 4 hours after a pretreatment with KEIM Silangrund and approx. 4 - 24 hours after KEIM Silan-100.

Consumption:

Depending on the mixing ratio:
For one coat approx. 80 - 150 ml/m² of prepared mixture of Concretal-Lasur and Concretal-Base.

The stated consumption figures are guide values depending on the desired glaze effect, application method and the substrate. Exact values can only be determined by on-site test areas.

Cleaning of tools

Clean with water immediately after use.

5. PACKAGING

5 l and 15 l container

6. STORAGE

KEIM Concretal-Base has a shelf life of approx. 12 months in closed container under cool, frost-free conditions. Protect from heat and direct sun. Opened containers have to be tightly closed.

7. DISPOSAL

EC Waste Code No. 08 01 12.
Any residues must be emptied out of containers before recycling.

8. SAFETY INSTRUCTIONS

GISCODE: BSW10

Provide appropriate protection for surfaces which are not to be coated (e.g. glass, natural stone, ceramics etc.). Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Keep out of reach of children.

Please, refer to the EC Material Safety Data Sheet

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 those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.

