



TECHNICAL DATA SHEET

KEIM CONCRETAL®-BLACK

1. PRODUCT DESCRIPTION

Sol-silicate concrete paint for opaque coatings in intensive black.

2. FIELD OF APPLICATION

KEIM Concretal-Black is particularly used for the design of concrete surfaces. Aesthetic, intense, black surfaces are achieved by using a selected black pigment. Plus, KEIM Concretal-Black protects from weather influences. KEIM Concretal-Lasur is not suitable for ETICS or horizontal and slightly inclined weathered surfaces. KEIM Concretal-Black can also be used indoors.

3. PRODUCT PROPERTIES

- Binder basis: combination of silica sol and water glass ("Sol-Silicate")
- UV-stable
- Mineral matt
- Incombustible
- Intensive black in five different black nuances

Material data:

- Density: approx. 1.55 - 1.65 g/cm³
- Vapour diffusion resistance: sd (H₂O) = 0.01 m
- Colour stability: A1
(Colour code acc. to BFS technical information No. 26)
- Dry layer thickness: 100 - 150 µm
(for two coats onto a smooth substrate)
- Organic content: < 5%

Colour shades:

Intensive black in five nuances

- Purity
- Forest
- Pearl
- Eclipse
- Aurora

4. APPLICATION INSTRUCTIONS

The substrate must be sound, dry, clean and free from any loose parts, dust, oil or any other separating substances.

Defective, organically bound existing coatings must be

completely removed. In case of new concrete structures, any shuttering oil residues has to be removed with KEIM Betonschnellreiniger (concrete cleaner).

Clean, strong concrete requires no pretreatment.

Highly absorbent substrates or surfaces exposed to severe weather may be provided with a water-repellent substrate treatment.

The subsequent base coat with KEIM Concretal-Black is to be applied after approx. 4 hours in the case of using KEIM Silangrund and after 4 to 24 hours in the case of using KEIM Silan-40-W or KEIM Silan-100.

Soft, porous concrete surfaces or existing mineral coats may be stabilised by a pretreatment with KEIM Concretal-Fixativ.

Application:

KEIM Concretal-Black can be applied by paint brush, roller or airless sprayer (nozzle: 435. See further information on the TDS Airless Technique).

Base coat:

Dilute KEIM Concretal-Black with max. 10% KEIM Concretal-Fixativ.

Top coat:

Apply KEIM Concretal-Black undiluted.

Keep diluted KEIM Concretal-Black well stirred before and during work. Neither water nor any other materials must be added.

Application conditions:

From +5°C up to max. 30°C air and substrate temperature, up to max. 80% relative humidity.

Only apply 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 coats. Before performing the base coat wait approx. 4 hours after a pretreatment with KEIM Silangrund and approx. 4 - 24 hours after a treatment with KEIM Silan-40-W or KEIM Silan-100.

Consumption:

For a two-coat KEIM Concretal-Black finish per m²:
approx. 0.38 l KEIM Concretal-Black and
approx. 0.02 l KEIM Concretal-Fixativ.



The stated consumption figures are guide values for a smooth substrate. Exact values can only be determined by painting trial areas on the structure to be coated.

Cleaning of tools:

Clean with water immediately after use.

5. PACKAGING

2.5 kg, 5 kg and 18 kg containers

6. STORAGE

12 months in sealed container under cool, frost-free conditions. Protect from heat and direct sunlight.

7. DISPOSAL

EC Waste Code No. 08 01 12.

Any residues must be emptied out of containers before recycling.

8. SAFETY INSTRUCTIONS

GISBAU Product Code/GISCODE: BSW 10

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 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.

