



TECHNICAL DATA SHEET

KEIM CONCRETAL®-BLACK

1. PRODUCT DESCRIPTION

Sol-silicate paint for concrete for opaque coats in an intense black. KEIM Concretal-Black is awarded with Cradle to Cradle Certified® Silver and C2C Certified Material Health Certificate™ Gold.

2. FIELD OF APPLICATION

KEIM Concretal-Black is used especially for the design of concrete surfaces. Aesthetic intensive black surfaces are achieved by using a selected black pigment. KEIM Concretal-Black also protects against the effects of weathering. KEIM Concretal-Black can also be used in interior areas.

Not suitable for:
ETICS; horizontal and inclined surfaces exposed to weathering

3. PRODUCT PROPERTIES

- C2C Certified Material Health Certificate™ Gold
- Cradle to Cradle Certified®-Certificate Silver
- absolutely UV-resistant
- fire behaviour: non-flammable (Class A2-s1,d0 as per EN 13501-1 acc. to classification report)

MATERIAL CHARACTERISTICS:

- Organic content: < 5 %
- Colour fastness (Fb-code pursuant to BFS Leaflet No. 26): A1

CLASSIFICATION:

- Diffusion-equivalent air layer thickness (sd-value): $\leq 0,01$ m

COLOUR SHADES:

Intense black in 5 shades:

- Purity
- Forest
- Pearl
- Eclipse
- Aurora

4. APPLICATION INSTRUCTIONS

TECHNICAL DATA SHEET – KEIM CONCRETAL®-BLACK

SUBSTRATE PREPARATION:

The substrate must be dry, sound, clean and free of any loose material, dust, oil and other substances with a separating effect. In case of new concrete structures, any shuttering oil residues must 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, hydrophobic treatment. The subsequent base coat with KEIM Concretal-Black 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 coatings may be stabilised by performing a pretreatment with KEIM Concretal-Fixativ

APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying from ≥ 5 °C to ≤ 30 °C. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

APPLICATION:

KEIM Concretal-Black can be painted, rolled or sprayed (nozzle ≥ 435)

Primer coat: Apply KEIM Concretal-Black in the normal case undiluted or depending on the absorbency of the substrate, diluted up to max. 10 % with KEIM Concretal-Fixativ.

Final coat: Apply KEIM Concretal-Black undiluted.

Note: Stir the diluted KEIM Concretal-Black before and during work. Water or other materials must not be added.

DRYING TIME:

Can be overcoated after 12 hours at the earliest (at 23 °C and 50% RH). At higher relative humidity, layer thicknesses and/or lower temperatures, drying is delayed accordingly. After pre-treatment with KEIM Silangrund, the primer coat is to be applied after approx. 4 hours, after KEIM Silan 100 after approx. 4 - 24 hours.

CONSUMPTION:

approx. 0,38 kg/m² for two coatings.

These material consumption values are guide values for smooth substrates. Exact consumption values must be determined by means of test areas.

DRY FILM THICKNESS:

approx. 100 - 150 µm

with two coats on a smooth substrate

CLEANING OF TOOLS:

Clean immediately with water.

5. PACKAGING

Container content	Unit of measure	Quantity on pallet	Type of container
18	kg	32	bucket
5	kg	70	bucket

6. STORAGE

max. storage time	Storage conditions
12 months	cool frost-free keep container tightly sealed.

TECHNICAL DATA SHEET – KEIM CONCRETAL®-BLACK

7. DISPOSAL

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

EC WASTE CODE:

EC WASTE CODE: 08 01 12

8. SAFETY INSTRUCTIONS

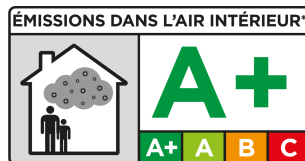
Please, refer to the Material Safety Data Sheet.

9. GENERAL INFORMATION

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.