



TECHNICAL DATA SHEET

KEIM CONCRETAL®-BLACK

1. PRODUCT DESCRIPTION

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

2. FIELD OF APPLICATION

KEIM Concretal-Black is ideal for decoration of all mineral surfaces, both internally and externally. Aesthetic, intense, black surfaces are created due to the use of a unique black pigment.

KEIM Concretal-Black protects from weather, is absolutely light-resistant, UV-stable and highlights the natural beauty of concrete and mineral surfaces.

3. PRODUCT PROPERTIES

Binder: combination of silica sol and water glass (sol-silicate)

- Multipurpose application
- UV stable
- High weathering resistance
- Mineral matt
- Incombustible
- Alkaline
- Water vapour permeable, microporous
- Non-film forming
- Highly water repellent
- Resists algal and fungal growth

Material characteristics:

Density: approx. 1.55-1.65g/cm³
Vapour diffusion resistance: $s_d = 0.01\text{ m}$
Colour stability: A1
Dry layer thickness 100-150µm
(two coats onto a smooth surface)
Organic content <5%

Colour shades:

Intensive black in five shades

- Purity
- Forest
- Pearl
- Eclipse
- Aurora

4. APPLICATION INSTRUCTIONS

Substrate preparation

All loose, flaking and unstable material must be identified and then thoroughly removed, all surfaces must be thoroughly washed down with clean cold water to remove all surface dirt and dust. When all surfaces are clean, sound, wind dry, dust free and free from all surface contaminants, decoration using KEIM Mineral Paints may proceed.

For new concrete structures, any shuttering oil residues must be removed with KEIM Concrete Cleaner.

Clean, strong concrete requires no pre-treatment.

Highly absorbent substrates or surfaces exposed to severe weather may be coated with a water-repellent substrate treatment (KEIM Silan Primer or KEIM Silan 100). The subsequent base coat of KEIM Concretal-Black is to be applied after approx. 4 hours when using KEIM Silan Primer and after between 4 and 24 hours when using KEIM Silan-100.

Highly absorbent or friable substrates should be treated with KEIM Concretal-Dilution.

Application

KEIM Concretal-Black should be applied as a two coat system with a minimum period of 12 hours between coats. KEIM Concretal-Black can be applied by brush, roller or airless sprayer (nozzle: 435. See further information on the TDS Airless Technique).

Base coat:

Dilute KEIM Concretal-Black with maximum 10% KEIM Concretal Dilution.

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

Ambient and substrate temperature above 5°C and below 30°C. Do not apply in direct sunlight or onto sun-heated surfaces, nor if it is raining or if there is an immediate likelihood of rain.

Consumption

For a two-coat KEIM Concretal-Black finish per m²: approx. 0.4kg KEIM Concretal-Black and up to 0.02 l KEIM Concretal-Dilution.

Consumption rates are offered for guideline purposes only and are quoted for smooth rendered surfaces. Actual rates are the responsibility of the applicator. Project specifications should be referred to for specific rates.

Cleaning of tools

Clean immediately after use with water

5. PACKAGING

5kg and 18kg containers

6. STORAGE

Approx. 12 months, if kept cool but frost free in tightly closed containers.

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

Cover surfaces which are not to be painted, in particular glass, natural stone, ceramics etc. 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.

