



TECHNICAL DATA SHEET

KEIM CONCRETAL®-C

1. PRODUCT DESCRIPTION

Sol-silicate paint for use on concrete surfaces. Offers water repellency, high carbonation protection, vapour permeability and lightfast colour pigmentation. KEIM Concretal C is made using pure inorganic fillers and pigments. The product is solvent free.

2. FIELD OF APPLICATION

For use on most concrete surfaces and mineral substrates.

3. PRODUCT PROPERTIES

KEIM Concretal C protects concrete from aggressive atmospheric pollutants. It has increased carbonation protection with good water vapour permeability.

- Water vapour permeable
- Colour fast
- Carbonation protection
- Solvent free
- Highly oblitative

Material characteristics

Resistance to carbonation:

$$s_d(\text{CO}_2) = 200 \text{ m}$$

Resistance to vapour diffusion:

$$s_d(\text{H}_2\text{O}) = 0.1 \text{ m}$$

Density: 1.32 g/cm³

Water Absorption Co-efficient:

$$W_{24} = 20 \times 10^{-3} \text{ kg/m}^2 \text{ h}^{0.5}$$

Finish: Matt

Colour shades

White and KEIM's Palette exclusiv colour swatches, with specials available.

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.

Application

KEIM Concretal C should be applied as a two-coat system, the first coat to KEIM Concretal C applied by brush or roller, working well into all surfaces. After a minimum period of 12 hours a final coat of KEIM Concretal C may be applied undiluted in a like manner.

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

Approx. 0.3 kg/m² for two coats.

Consumption rates are offered for guideline purposes only and are quoted for smooth 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

5 kg & 20 kg containers

6. STORAGE

Shelf life is approx. 12 months if kept dry, cool, but frost-free in tightly closed containers. Protect from moisture.

7. SAFETY INSTRUCTIONS

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.



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