

# Keim Concretal

## Product Information:

Mineral silicate paint system for use on concrete surfaces. Offers water repellency, carbonation protection, vapour permeability and forms a chemical crystalline bond with the substrate. **Keim Concretal** is made using pure inorganic mineral fillers, earth oxide colour pigments and potassium silicate binder.

## Field Of Application:

Insitu and precast concrete elements and structures, block work, lightweight concrete, asbestos cement and cementitious building boards, for filling/closing of hairline cracks and equalising of structures.

## Product Characteristics:

- Water vapour permeable
- Colour fast
- Carbonation protection
- Resistant to mould and fungal growth
- Easily cleaned
- Free from solvents
- Free from biocides
- Easy to over paint
- Non flammable

## Material Data:

Resistance to vapour diffusion: Sd=0.01m  
Density: 1.15-1.45 \*  
\* depending on colour and opacity.  
Water Absorption Co-efficient: W=0.20kg/m<sup>2</sup> h 0.5  
Thermal Expansion: Comparable to the mineral substrate to which it is applied onto.

## Colour Shades:

350 standard colours according to the **Keim** Palette with specials available.

## Application:

### Substrate Preparation:

When all surfaces are clean, sound, wind dry, dust free and free from all surface contaminants, decoration using **Keim** Mineral Paints may proceed.

### Decoration:

**Keim Concretal** should be applied as a two coat system, the first coat to be diluted with 30% by weight **Keim Concretal Dilution** and applied by brush or roller, working well into all surfaces. After a minimum period of 12 hours a final coat of **Keim Concretal** may be applied undiluted.

Air and surface temperature >5°C

### Consumption:

For two coats approx. 0.35 kg/m<sup>2</sup> **Keim Concretal Grob** and 0.06 lt/m<sup>2</sup> **Keim Concretal Dilution**.

### Tools:

Clean immediately after use with water.

## Packaging:

5 & 25kg containers.

## Storage:

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

## Identification Ref Ordinance Of Dangerous materials:

Not applicable.

## Danger Class In Goods Traffic:

Not applicable

## 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.

Refer to COSHH data sheet.

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Consumption rates per 10.5 sq.ft. (1 m<sup>2</sup>)  
Two coat system on smooth substrates: appr. 0.45 kg/m<sup>2</sup> **Keim Soldalit**.

These consumption figures are typical values and strongly depend upon the texture of the substrate as well as on the application procedure. Exact consumption ratios may only be defined by trial applications on the project.

**Tools:** Clean immediately after use with water.

### **Packaging:**

Buckets with 5kg and 25kg.

### **Storage:**

Approx. 6 months, if kept cool, free from frost in tightly closed containers. Please note: Remnants of material from opened containers are to be filled in smaller buckets in order to maintain the air content in the bucket at the lowest possible level.

### **Identification Ref Ordinance of Dangerous Materials:**

Not applicable.

### **Danger class in goods traffic:**

Not applicable.

### **Disposal:**

Dispose completely emptied containers in accordance with local, state and federal regulations.

### **Safety Instructions:**

All areas which are not to be coated with **Keim Soldalit** eg. glass, natural stone, ceramics, wood, etc., are to be protected by suitable measures. Splashes on these or traffic and other surrounding areas must be removed immediately with plenty of water.

Protect eyes and skin from splashes. Do not swallow. Keep out of reach of children.

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