

## KEIM Soldalit®-Grob

Filled, sol-silicate paint for base and intermediate coats



### 1. Product description

KEIM Soldalit-Grob is a filled, silicate priming paint for base and intermediate coats within the Soldalit System based on an entirely new binder combination of silica sol and water glass. This binder combination not only allows the application of silicate coatings on mineral substrates but as well on a large variety of organic substrates, directly and without additional bridging coats. KEIM Soldalit is therefore the basis for a new generation of silicate paint, the **sol-silicate paint**, allowing a so far unknown variety of applications. It comprises weather-resistant fillers and pure inorganic pigments and combines all the advantages of the classical silicate paint with the variety of substrates and of organic bound paint systems. KEIM Soldalit-Grob as well meets the requirements of DIN 18.363, 2.4.1 „silicate emulsion paint“.

### 2. Field of application

KEIM Soldalit-Grob is used as base or intermediate coat to equalise textural differences or to fill fine hairline cracks when renovating or coating sound organic substrates, especially dispersion- and silicone resin-based coatings also renders as well as other mineral substrates. Exceptions are plasto-elastic coatings, saponifiable old paints (e.g. certain oil-based paints), non-wettable substrates (e.g. lacquers and varnishes) and ALC building elements.

### 3. Product properties

- Binder basis: combination of silica sol and water glass (= sol-silicate)
- Multi-purpose application

- Equalizes differences in texture
- Leveling
- Alkaline, therefore no pot preservatives
- Non-flammable (acc. to DIN 4102-A2)
- Breathable, non-film-forming, microporous
- No solvents and plasticisers added

### Material characteristics

- Specific weight: approx. 1.6 g/cm<sup>3</sup>
- Diffusion-equivalent air layer thickness:  $s_d \leq 0.01$  m
- Organic content: < 5%
- pH-value: approx. 11
- Lightfastness of color pigment: B1 (Fb-code acc. to BFS instruction sheet No. 26)

### Color shades

White and according to the KEIM Palette Exclusiv and KEIM Avantgarde color swatches. Tinting only with the KEIM Soldalit-Monochrome shades.

### Please note

The mixing and blending with products not part of the system is not admissible! This applies as well for KEIM products which are not part of the Soldalit-System.

### 4. Application instructions

#### Substrate preparation

The substrate must be sound, dry, non-chalking, clean and dust-free. Remove any loose parts of old coatings mechanically or by water jetting. Fill and texture-match any defects with a suitable repair material. Remove sinter.

Strongly absorbent areas should be pretreated with KEIM Soldalit-Fixativ.



Repaired substrates, larger cracks or strong differences in texture may possibly necessitate a base coat with KEIM Contact-Plus before applying KEIM Soldalit-Grob or KEIM Soldalit.

### Application

KEIM Soldalit-Grob may be applied by brush or roller whereby the roller application reduces the filling effect. A minimum **drying time** of 12 hours between the coats is required.

Base coat: Apply KEIM Soldalit-Grob normally **undiluted** or dilute by up to approx. 5%, or for highly absorbent substrates, by up to max. 10% (max. 2.5 l/0.66 fl gal per 25 kg paint) with KEIM Soldalit-Fixativ.

Intermediate coat: In case of an intermediate coat apply KEIM Soldalit-Grob **undiluted**.

Top coat: Apply KEIM Soldalit **undiluted**.

Ambient and substrate temperature > +5 °C/41 °F.

### Consumption

Approx. 0.25 kg/m<sup>2</sup> KEIM Soldalit-Grob for a base or intermediate coat on smooth substrates. This consumption value is a guide value. Exact values can only be determined by painting trial areas on the structure to be coated.

### Cleaning of tools

Clean immediately after use with water.

## 5. Packaging

5 kg and 25 kg containers

## 6. Storage

Shelf life approx. 6 months, if kept cool, but frost-free in tightly closed containers.

**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.

## 7. Hazardous substances ordinance class

n/a

### Classification according to flammable liquids ordinance

n/a

## 8. Transport hazard class

n/a

## 9. Disposal

EC Waste Code No. 08 01 12

Any residues must be emptied out of containers before recycling.

## 10. Safety instructions

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.



Product code: M-SK 01

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