



## TECHNICAL DATA SHEET

# KEIM SOLDALIT® -GROB

### 1. PRODUCT DESCRIPTION

KEIM Soldalit-Grob is a filled, silicate priming paint for base and intermediate coats within the Soldalit System based on a proven 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 emulsion paint with the variety of substrates of organic bound paint systems. KEIM Soldalit-Grob as well meets the requirements of DIN 18.363 sect. 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 fill fine hairline cracks when repainting or coating sound organic substrates, especially dispersion- and silicone resin-based coatings and renders as well as mineral substrates. Exceptions are wood, plasto-elastic coatings, saponifiable old paints (e.g. certain oil-based paints), non-wettable substrates (e.g. lacquers and varnishes) as well ALC building elements. KEIM Soldalit-Grob is not to be used as top coat.

For production reasons, filled paint material is not suitable for finish coats because the colours are lighter than the original colour swatches.

Not suitable for horizontal and inclined surfaces exposed to weathering.

### 3. PRODUCT PROPERTIES

- Binder basis: combination of silica sol and water glass (= sol-silicate)
- Multi-purpose application
- Equalises differences in texture
- Levelling
- Alkaline, therefore no pot preservatives
- Non-flammable
- Water vapour permeable, non-film-forming, microporous
- No solvents and plasticisers added

#### Material characteristics:

- Specific weight: approx. 1.6 - 1.8 g/cm<sup>3</sup>
- Diffusion-equivalent air layer thickness:  $s_d \leq 0.01$  m
- Organic content: < 5%
- pH-value: approx. 11
- Colour fastness: A1  
(Colour-Code acc. to BFS Technical Information No. 26)

#### Colour shades:

White and according to the KEIM Palette "exclusiv" and KEIM "Avantgarde" colour 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, dust- and grease-free. Remove any loose and brittle parts of old coatings mechanically or by water jetting. Fill and texture-match any defects with a suitable repair material. Sinter layers of new renders have to be removed with KEIM Ätzflüssigkeit as prescribed. Areas of new renders (repairs) should in general be pretreated with KEIM Ätzflüssigkeit according to the technical data sheet. Strongly absorbent areas should be pretreated with KEIM Soldalit-Fixativ.

Touched-up substrates, larger cracks or strong differences in texture may possibly necessitate a base coat with KEIM Contact-Plus instead of KEIM Soldalit-Grob.

#### Application:

KEIM Soldalit-Grob may be applied by brush, roller or airless spraying (nozzle 0.99 mm/0.039 inch; see technical data sheet "Airless technique" for further information). 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 per 25 kg paint) with KEIM Soldalit-Fixativ.



Intermediate coat:

Apply KEIM Soldalit-Grob undiluted.

Top coat:

Apply KEIM Soldalit undiluted.

Ambient and substrate temperature > +5°C.

### 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. 12 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. DISPOSAL

EC Waste Code No. 08 01 12. Any residues must be emptied out of containers before recycling.

## 8. SAFETY INSTRUCTIONS

Giscode: BSW10

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.

Please refer to EC 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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