TECHNICAL DATA SHEET

KEIM SOLDALIT®-GROB

1. PRODUCT DESCRIPTION

KEIM Soldalit-Grob is a filled silicate priming paint with a slight slurrying effect for priming and intermediate coats using the KEIM Soldalit system. Formulated on the basis of a proven binder combination of silica sol and water glass allows KEIM Soldalit-Grob silicate coats not only on mineral but also on a wide range of organic substrates – directly and without additional bonding bridges. Filled and pigmented with weather-resistant fillers and purely inorganic pigments, it combines KEIM Soldalit-Grob all the benefits of classic dispersion silicate paint with the substrate versatility of organically bound paint systems. KEIM Soldalit-Grob also satisfies the requirements of DIN 18363 para. 2.4.1 "Dispersion silicate paint". KEIM Soldalit-Grob has been awarded Cradle to Cradle Certified® Full Scope Silver, Material Health Gold and Circularity Silver in accordance with Version 5.0.

2. FIELD OF APPLICATION

KEIM Soldalit-Grob serves as a primer or intermediate coat for levelling structural differences or for crack filling of fine hairline cracks during renovation or when applying new coats of paint to load-bearing, organic substrates, in particular dispersion- and silicone resin-bonded paints and plasters as well as mineral substrates.

3. PRODUCT PROPERTIES

- Cradle to Cradle Certified® Full Scope Silver (Version 5.0)
- Cradle to Cradle Certified® Material Health Gold (Version 5.0)
- Cradle to Cradle Certified® Circularity Silver (Version 5.0)
- QNG compliant
- permeable
- water-repellent
- microporous
- universally applicable
- fire behaviour: non-flammable (Class A2-s1,d0 as per EN 13501-1 acc. to classification report)
- antistatic, non-thermoplastic
- weather-resitant
- lightfast
- anti-fungal and anti-algae thanks to ideal moisture balance
- acid-proof
- no solvents added
- no plasticisers added

MATERIAL CHARACTERISTICS:

– Density	approx. 1.6 g/cm³ - 1.8 g/cm³
– Organic content	< 5 %
– pH value	approx. 11

CLASSIFICATION:

– Classification according to VOB	Silicate emulsion paint according to DIN 18363 sec. 2.4.1
– Diffusion-equivalent air layer thickness class	V1

– Water permeability rate class W2

COLOUR SHADES:
White and colour shades are produced exclusively with purely mineral, lightfast pigments. Note: The product is not suitable for top coats; colours appear lighter than the original shades. On-site tinting exclusively with system related monochrome shades/full-tone colours

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:
The substrate must be dry, sound, free from chalking, clean and dust-free. Loose parts of existing coatings must be removed mechanically or by high-pressure water jetting. Defective areas must be filled and texture-matched using a suitable repair material. Any sintered layers on new renders must be removed with KEIM Fluat-10 according to instructions. New render areas (repairs) are generally to be pretreated with KEIM Fluat-10 according to the specifications in the Technical Data Sheet. Strongly absorbing surfaces must be primed with KEIM Soldalit-Fixativ. Please, refer to the Technical Data Sheet of the primer regarding application.
In case of larger cracks or strong structural differences, a primer coat with KEIM Contact-Plus might be necessary instead of KEIM Soldalit-Grob.

Non-suitable substrates:
substrates with salt efflorescences; horizontal and inclined surfaces exposed to weathering; wood substrates; plasto-elastic coatings; saponifiable existing substrates; non-wettable substrates

APPLICATION CONDITIONS:
Ensure the ambient and substrate temperatures are ≥ 5 °C during application and drying. Do not apply in direct sunlight or onto substrates heated by the sun. Protect surfaces from direct sunlight, wind and rain during and after application.

MATERIAL PREPARATION:
KEIM Soldalit-Grob must be stirred thoroughly before application.

CONSUMPTION:
approx. 0,25 kg/m² for a single coating.
The information on material consumption is a guide for smooth substrates. Exact consumption figures must be determined by carrying out test areas.

PROCESSING:
KEIM Soldalit-Grob can be painted, rolled or airless sprayed (nozzle: ≥ 443).
Primer coat: Apply KEIM Soldalit-Grob normally undiluted or depending on the absorbency of the substrate, diluted up to max. 5 % with KEIM Soldalit-Fixativ.
Final coat: Apply with undiluted KEIM Soldalit.

DRYING TIME:
Can be overcoated after 12 hours at the earliest (at 23°C and 50% RH). At higher relative humidity, greater layer thicknesses or lower temperatures, the drying time is extended accordingly.

CLEANING OF TOOLS:
Clean immediately with water.

5. PACKAGING

Container content	Unit of measure	Quantity on pallet	Type of container
18	kg	32	bucket
5	kg	70	bucket

6. STORAGE

Maximum storage time	Storage conditions
12 months	cool frost-free keep container tightly sealed.

Any material left over from opened containers should be transferred to smaller containers to minimise the amount of air space in the bucket.

7. DISPOSAL

For disposal information refer to section 13 of the safety data sheet.

Waste code: 08 01 12

8. SAFETY INSTRUCTIONS

Refer to the safety data sheet. EU limit value for this product (Cat. A/c): 40 g/l.
This product contains: 0 - 1 g/l VOC.

GIS code: BSW 40

9. GENERAL INFORMATION

Cover surfaces not to be treated, particularly glass, ceramics and natural stone. Splashes on surrounding surfaces or traffic areas must be immediately diluted with plenty of water and removed.
Mixing with products from other systems or other external additives is not permitted.

10. CERTIFICATES & QUALITY SEALS

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 the purchaser and processor from the obligation to convince themselves of the suitability of our products for the intended application with due care, which is general practice in trade and crafts. The general rules of construction technology must be observed. We reserve the right to make modifications to improve the product or its application. This edition supersedes all earlier editions.

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