

KEIM SOLDALIT® – GROB

For masonry and concrete

FEATURES & BENEFITS

- › Sol-Silicate binder system
- › All-surface application
- › Anti-static – walls stay clean longer
- › Pollution resistant
- › Extreme weather resistance
- › Non-flammable (acc. to DIN 4102-A2)
- › Lightfast will not fade
- › Mineral matt finish
- › Water vapour permeable, microporous
- › Non-film-forming will not peel
- › Highly water-repellent
- › No solvents and plasticizers
- › Algae and fungi resistant
- › Crack filling up to 0.3 mm

FIELD OF APPLICATION

KEIM Soldalit-Grob is used as base or intermediate coat to equalize textural differences or to fill fine hairline cracks up to 0.3 mm when renovating or coating sound acrylic and silicone resin-based coatings, acrylic stucco, terracotta, brick, historic masonry and many other mineral substrates. Exceptions not suitable for coating with Soldalit-Grob are plasto-elastomeric coatings, saponifiable old paints (e.g. certain oil-based paints), non-wettable substrates (e.g. lacquers and varnishes).

Optional added water repellency can be added with a treatment of KEIM Silan-100 before the first coat of KEIM Soldalit-Grob.

KEIM Soldalit-Grob is not a finish coat and can only be used as a base and or intermediate coat.

KEIM Soldalit-Grob is not suitable for horizontal and slightly inclined surfaces exposed to weathering or floor surfaces.

KEIM Soldalit-Grob is a coarse textured filling, Sol- silicate tinted priming paint for the base and intermediate coats within the Soldalit System. KEIM Soldalit is an entirely new binder combination developed by KEIM which includes silica-sol and potassium silicate waterglass. This binder combination not only allows the application of silicate coatings on mineral substrates but also on a large variety of organic substrates, directly and without additional bridging/primer coats. KEIM Soldalit is a new generation of silicate paint, the sol-silicate paint, allowing a wide variety of applications.

KEIM Soldalit contains weather-resistant fillers and pure inorganic pigments. It combines all the advantages of the classical silicate paint with the ability to bond to a variety of substrates even most organic bound paint systems.

KEIM Soldalit as well meets the requirements of DIN 18.363, 2.4.1 “silicate emulsion paint”.

SUBSTRATE PREPARATION

The substrate must be sound, solid, dry, clean and free of dust, grease, oils, salts, moss, algae and other substances that would prevent bonding.

Old oil based coatings, loose substrate layers and loose organically bound coats must be removed. Repair damaged areas before painting.

For repaired substrates and also on substrates with textural differences or hairline cracks up to 0.3 mm use KEIM Soldalit-Grob as the base coat.

Larger cracks 0.3-0.9 mm or strong differences in texture may require a primer coat with KEIM Contact-Plus (0.3-0.5 mm) or KEIM Contact-Plus- Grob (0.5-0.9 mm).

Before KEIM Soldalit-Grob is applied, highly absorbent substrates like terracotta or surfaces exposed to severe weather may be treated with a water-repellent substrate treatment using KEIM Silan-100 to enhance waterproofing. A subsequent base coat of KEIM Soldalit-Grob must be applied after approx. 4 to 12 hours drying time for KEIM Silan-100.

Soft, porous surfaces or old existing mineral coats may be stabilized by pre-treatment with KEIM Soldalit-Dilution.

New mortar or masonry surfaces may require treatment with KEIM Lime Remover before painting if they have a sinter layer.

APPLICATION

KEIM Soldalit-Grob may be applied by brush, roller or spraying (airless nozzle 537: 0.94 mm/0.037 in.).

A minimum drying time of 12 hours between coats is required.



COLORS FOREVER.



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PACKAGING

1 gallon and 4 gallon (packaged in a 5 gal pail)

STORAGE

Shelf life approx. 12 months, if kept cool, but frost-free in tightly closed unopened containers.

Remnants of material from opened containers should be filled in smaller buckets in order to maintain the air content in the bucket at the lowest possible level.

CLEANING OF TOOLS

Clean immediately after use with water.

DISPOSAL

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

USAGE

outdoor / indoor

HAZARDOUS SUBSTANCES ORDINANCE CLASS

n/a

CLASSIFICATION ACCORDING TO FLAMMABLE LIQUIDS ORDINANCE

n/a

TRANSPORT HAZARD CLASS

n/a

Dilution

Base coat: KEIM Soldalit-Grob diluted up to maximum of 10% (12.8 oz/gallon) with KEIM Soldalit-Dilution.

Intermediate coat: KEIM Soldalit-Grob diluted up to maximum of 5% (6.4 oz/gallon) with KEIM Soldalit-Dilution.

Always apply a final coat of Soldalit.

Stir diluted KEIM Soldalit-Grob before and during application. Neither water nor any other materials may be added. Work corner to corner or use an architectural feature as a starting and stopping point.

APPLICATION CONDITIONS

From 41°F up to max. 86°F (+5°C -30°C) air and substrate temperature; up to max. 80% relative humidity.

Only apply in dry weather conditions. Do not apply under direct sun or on sun-heated substrates or in strong wind. After application, surfaces must be protected from strong wind and direct sun until dry (3-6 hours) and from rain until they are cured (12-36 hours). Times depend on temperature and humidity.

DRYING TIMES

Dry to touch in 1-3 hours.

For recoating, at least 12 hours between coats. For the finish coat, allow 12-36 hours.

If a pretreatment of water repellencies was applied allow drying before base coat is applied. Approx. 4-12 hours after KEIM Silan-100.

COLOUR SHADES

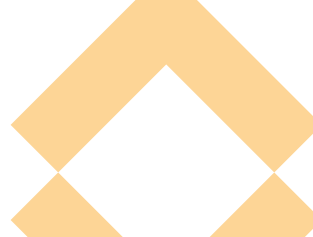
White and tinted according to KEIM Soldalit and KEIM Soldalit-ME finish coat. As a base and intermediate coat it is always tinted approx. 2 shades lighter than the finish coat.

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

CONSUMPTION

Approx. 270-320 sq. ft./gallon.

The stated consumption figures are guide values for a smooth substrate. Exact values can only be determined by painting test areas on the structure to be coated using tools and techniques that will be used for the final application.



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CAUTION

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

TECHNICAL DATA

SPECIFIC WEIGHT	approx. 1.60 g / cm ³
VOCS (WHITE OR TINTED)	
ASTM D6886	<1 g/ L
ORGANIC CONTENT	< 5%
PH-VALUE	approx. 11
LIGHT FASTNESS OF COLOUR PIGMENTS	A1 (Fb-code acc. to BFS instruction sheet No. 26)
PH-VALUE	approx. 11
VAPOUR PERMEABILITY	
ASTM E96	77 perms
ACCELERATED WEATHERING	2016 hours: Pass
ASTM G154	No change, no deterioration of any type
WIND DRIVEN RAIN	Pass
Din EN 1062-1	No water leakage
WATER VAPOUR DIFFUSION DENSITY	$V \geq 2100 \text{ g}/(\text{m}^2 \cdot \text{d})$
DIFFUSION-EQUIVALENT	
DIN EN ISO 7783-2	air layer thickness: $sd \leq 0.01 \text{ m}$ Class I
WATER PERMEABILITY	
DIN EN 1062-3	rate (24 h): $w < 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h}0.5)$ Class III
GLOSS AT 85° TO ISO 2813	matt 0.5

Note: The contents of this Technical Data Sheet are updated regularly. To ensure that you have the most recent version, please visit our website at the following address: www.king-masonry.com

This product is designed to meet the performance specifications outlined in this product Technical Data Sheet. If the product is used in conditions for which it was not intended, or applied in a manner contrary to the written recommendations contained in the product data sheet, the product may not reach such performance specifications. The foregoing is in lieu of any other warranties, representations or conditions, expressed or implied, including, but not limited to, implied warranties or conditions of merchantable quality or fitness for particular purposes, and those arising by statute or otherwise in law or from a course of dealing or usage of trade.

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SIKA CANADA INC.

Head Office

601 avenue Delmar
Pointe-Claire, QC H9R 4A9

Other Locations

Boisbriand (Quebec)
Brantford; Cambridge; Sudbury; Toronto (Ontario)

Edmonton (Alberta)
Surrey (British Columbia)