

# KEIM SOLDALIT<sup>®</sup> ME

Highly specialised, silicate exterior paint system

April 2025

## PRODUCT:

KEIM Soldalit-ME is a highly specialised silicate facade paint based on a proven binder combination of silica sol and water glass with photocatalytic effect. This binder combination allows silicate coatings not only on mineral but also on a wide range of organic substrates – directly and without additional bonding bridges. The photocatalytic effect reduces harmful gases (e.g. NOx, VOC's) and increases the self-cleaning ability. Filled and pigmented with weather-resistant fillers and purely inorganic pigments combines KEIM Soldalit-ME all the advantages of classic dispersion silicate paint with the substrate versatility of organically bonded KEIM Soldalit-ME paint systems also fulfils the requirements of DIN 18363 para. 2.4.1 "Dispersion silicate paint". KEIM Soldalit-ME is awarded with Cradle to Cradle Certified<sup>®</sup> Silver and C2C Certified Material Health Certificate<sup>™</sup> Gold.

## FIELD OF APPLICATION:

KEIM Soldalit-ME is suitable for renovation and new coating of load-bearing, dispersion- and silicone resin-bound paints and plasters as well as for mineral substrates.

**Not suitable for:** horizontal and inclined surfaces exposed to weathering; wood substrates; plasto-elastic coatings; saponifiable existing substrates; non-wettable substrates

## PRODUCT PROPERTIES:

- universally applicable
- C2C Certified Material Health Certificate<sup>™</sup> Gold
- QNG-konform
- permeable
- highly water-repellent
- microporous
- antistatic, non-thermoplastic
- highly weather-resistant
- absolutely lightfast
- anti-fungal and anti-algae thanks to ideal moisture balance
- Acid-proof
- Fire behaviour: non-flammable (Class A2-s1,d0 as per EN 13501-1 acc. to classification report)
- no solvents added
- no plasticisers added

## STANDARD PACKS:

5 & 25 kg buckets.

## TECHNICAL DATA:

Material Characteristics	Keim Soldalit ME
Density	Appr. 1.6 g/cm <sup>3</sup>
Organic content	<5%
pH-value	Appr. 11
Colour fastness (Fb-code pursuant to BFS Leaflet No.26):	A1

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## CLASSIFICATION:

Classification according to:	DIN EN 1062-1
Classification according to VOB:	Silicate emulsion paint according to DIN 18363 sec. 2.4.1
Water vapour diffusion current density (V-value):	≥ 2000
Diffusion-equivalent air layer thickness (sd-value):	≤ 0,01 m
Diffusion-equivalent air layer thickness class:	V1
Standard Diffusion equivalent air layer thickness:	DIN EN ISO 7783
Water permeability:	< 0,1 kg/(m <sup>2</sup> ·h)
Water permeability rate class:	W3
Standard Water permeability rate:	DIN EN 1062-3
Gloss level at 85°:	matt
Standard Gloss level:	ISO 2813

## COLOURS:

White, colour shades only with purely mineral, light-resistant pigments. Only factory tinting possible. Not available in monochrome shades/full tone colours. When selecting the colour shade for ETICS, observe LRV ≥ 30.

## 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 Soldalit-Grob might be necessary instead of KEIM Soldalit-ME.

## APPLICATION CONDITIONS:

Ambient and substrate temperature ≥ 5 °C during application and drying. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

## PREPARATION OF MATERIAL:

Stir up KEIM Soldalit-ME thoroughly before application.

## CONSUMPTION:

approx. 0,45 kg/m<sup>2</sup> for two coatings.

These material consumption values are guide values for smooth substrates. Exact consumption values must be determined by means of test areas.

## APPLICATION:

KEIM Soldalit-ME can be painted, rolled or airless sprayed (nozzle: ≥ 435 ).

Primer coat: Apply KEIM Soldalit-ME in the normal case undiluted or depending on the absorbency of the substrate, diluted up to max. 5 % with KEIM Soldalit-Fixativ.

Final coat: Apply KEIM Soldalit-ME undiluted.

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**DRYING TIME:**

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

**CLEANING OF TOOLS:**

Clean immediately with water.

**STORAGE:**

Max Storage Time:	12 Months
Storage Conditions:	Cool, Frost-free, Keep container tightly sealed.

**HEALTH AND SAFETY:**

Please, refer to the Material Safety Data Sheet. EU limit value for this product (Cat. A/c): 40 g/l. This product contains: 0 - 3 g/l VOC.

**GENERAL INFORMATION:**

Cover surfaces not to be treated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.  
Mixing with products not part of the system or other foreign additives is not permitted.

**WARNINGS AND BANS:**

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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**MANUFACTURERS CONTACT DETAILS:**

Manufacture location	Germany
Legal and trading name of manufacturer	KEIMFARBEN GMBH
Manufacturer address for service	86420 Diedorf, Keimstraße 16
Manufacturer website	www.keim.com
Manufacturer email	info@keimfarben.de
Manufacturer phone number	+49 821 4802-0