



## TECHNICAL DATA SHEET

# KEIM STUCASOL®

## 1. PRODUCT DESCRIPTION

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Ready-to-use sol-silicate plaster with unique binder combination for highest quality requirements and colour brilliance, even without additional coating.

## 2. FIELD OF APPLICATION

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For interior and exterior use as a top coat for mineral and organic substrates and as a finishing coat for KEIM thermal insulation composite systems.

## 3. PRODUCT PROPERTIES

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- for interior and exterior use
- ready to use
- excellent application properties
- easy to apply
- matt, natural appearance
- homogenous surface appearance
- highly water-repellent
- permeable
- absolutely lightfast
- highly weather-resistant
- fire behaviour: A2-s1,d0
- biocide-free

### MATERIAL CHARACTERISTICS:

- Density: approx. 1.5 - 1.8 g/cm<sup>3</sup>

### CLASSIFICATION:

- Standard Diffusion equivalent air layer thickness DIN EN ISO 7783: DIN EN ISO 7783
- Adhesive tensile strength:  $\geq 0,3 \text{ N/mm}^2$
- Fracture pattern Adhesive tensile strength: A,B,C
- Standard Adhesive tensile strength DIN EN 1015-12: DIN EN 1015-12
- Water permeability:  $\leq 0,1 \text{ kg/(m}^2\sqrt{\text{h}}$
- Water permeability rate class: W3
- Standard Water permeability rate DIN EN 1062-3: DIN EN 1062-3
- Water vapour diffusion current density (V-value):  $\geq 150 \text{ g/(m}^2 \cdot \text{d)}$
- Diffusion-equivalent air layer thickness class: V1

### COLOUR SHADES:

White, colour shades only with pure mineral lightfast pigments. KEIM Stucasol can be tinted with KEIM PPF-Technology® according to all common colour collections. Please always check the colour for correctness before application. Only use colour shades from one tinting batch within a surface.

### VERFUEGBARE FARBKARTEN:

KEIM Palette Exclusiv

## 4. APPLICATION INSTRUCTIONS

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### SUBSTRATE PREPARATION:

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues. For newly created, repaired or unevenly textured surfaces or under intense colour tones, it is recommended to prepaint with KEIM Stucasol-Fondo to match the colour (please refer to the Technical Data Sheet).

### APPLICATION CONDITIONS:

Ambient and substrate temperature  $\geq 8$  °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 / MIXING & CONVEYING:

Working consistency of KEIM Stucasol from can be adjusted with KEIM Soldalit-Fixativ to max. 150 ml per container. Excessive thinning will impair the properties of the plaster (e.g. colour shade, texture). Do not dilute with water. KEIM Stucasol Stir with a slow-running agitator before use. KEIM Stucasol Can be applied by machine. Mortar pumps with variable flow rates are suitable for simple application. If an even spray pattern is to be created, a mortar pump with infinitely variable flow and electric control must be selected. We recommend spraying the surface twice wet on wet with a low application volume. The size of the nozzle should be approx. three times the selected grain size. The hose length should not exceed 20 m.

### CONSUMPTION:

Scratch plaster structure:

K1 (1 mm) - approx. 1.5 kg/m<sup>2</sup>

K1,5 (1.5 mm) - approx. 2.3 kg/m<sup>2</sup>

K2 (2 mm) - approx. 3.0 kg/m<sup>2</sup>

K3 (3 mm) - approx. 3.6 kg/m<sup>2</sup>

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

### APPLICATION:

Apply with a rustproof steel trowel, smooth to grain thickness and rub in as desired, structuring as sharply as possible. Working technique and tools determine the result. To avoid build-up, always work wet-on-wet. Always apply only the same batch no. in one area. When applying by machine, the KEIM Stucasol can be textured with a trowel or left to stand.

### TOP RENDER:

When used as as top coat render, allow at least 2 days of setting time before painting.

### AFTERTREATMENT:

After application, protect surfaces from wind and rain by suitable means.

### FINISHING:

Can be painted over with diffusion-open coating systems, e.g. KEIM Soldalit. Observe the standing time.

### SETTING TIME:

When used as top coat render, allow to set for at least 5 days before coating. (If the standard rule of 1 day per mm results in longer setting times due to the layer thickness, the longer setting time must then be observed before painting).

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### CLEANING OF TOOLS:

Clean immediately with water.

## 5. PACKAGING

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Container content	Unit of measure	Quantity on pallet	Type of container
25	kg	24	bucket

## 6. STORAGE

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max. storage time	Storage conditions
12 months	dry cool frost-free

## 7. DISPOSAL

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

Waste code: 08 01 12

## 8. SAFETY INSTRUCTIONS

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Please, refer to the Material Safety Data Sheet.

## 9. GENERAL INFORMATION

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Under the recommended application conditions, the plaster dries uniformly and with a clearly visible textured grain.

To improve the stability of the board, a subsequent coat of paint is not necessary.

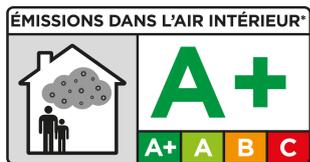
Under unfavourable weather conditions, coloured plasters may dry with cloudiness or exhibit hairline cracking.

This is not a technical defect and can be remedied by a covering or glazing coat, depending on the desired result.

Mixing with products not part of the system or other foreign additives is not permitted.

10. CERTIFICATES & QUALITY SEALS

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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.