



## TECHNICAL DATA SHEET

# KEIM SECCOPOR<sup>®</sup> -GROSSO

## 1. PRODUCT DESCRIPTION

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Special plaster with particularly good moisture transport and excellent moisture regulation effect. Normal plaster mortar according to DIN EN 998-1. Factory-made dry lime-cement-based mortar with mineral aggregates and special pore-forming additives. Corresponds to mortar category CS II (mortar group P II according to DIN V 18550). The binder in KEIM Seccopor-Grosso has a high sulphate resistance.

## 2. FIELD OF APPLICATION

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KEIM Seccopor-Grosso serves to repair and quickly dry out walls exposed to moisture indoors and outdoors. Particularly suitable in damp basements, e.g. after flood damage. Ideal for use in historical buildings, old buildings, etc. and for moisture regulation in damp rooms to prevent mould accumulation. KEIM Seccopor-Grosso Can be used on substrates with a low degree of salinity (according to WTA data sheet "Restoration plaster systems"). If the level of salt contamination is uncertain, a salt analysis is recommended in advance.

KEIM Seccopor-Grosso Can also be used outdoors. KEIM Seccopor-Grosso is not suitable for base areas.

## 3. PRODUCT PROPERTIES

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- high coat thickness possible
- unique drying behavior thanks to the specific pore geometry
- unrestrictedly high capillary water transport (not hydrophobised)
- fire behaviour: non-flammable (A1)

### MATERIAL CHARACTERISTICS:

- Fresh mortar bulk density: approx. 1,45 kg/dm<sup>3</sup>
- Maximum grain size: 2.0 mm

### CLASSIFICATION:

- Plaster type: GP
- Compressive strength category: CS II 1,5 -5,0 N/mm<sup>2</sup>
- Standard compressive strength DIN EN 1015-11: DIN EN 1015-11
- Adhesive tensile strength:  $\geq 0,08$  N/mm<sup>2</sup>
- Fracture pattern Adhesive tensile strength: A,B,C
- Standard Adhesive tensile strength DIN EN 1015-12: DIN EN 1015-12
- Water absorption class: W0
- Standard Water absorption DIN EN 1015-18: DIN EN 1015-18
- Porosity:  $\geq 40$  %
- Water vapour diffusion resistance value ( $\mu$ -value):  $\leq 11$

### COLOUR SHADES:

grey

**4. APPLICATION INSTRUCTIONS**

**SUBSTRATE PREPARATION:**

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues and must not be too absorbent. Knock off damaged old render and friable joint mortar up to 80 cm beyond the visible damage line down to the load-bearing masonry. Immediately remove construction rubble from the site. Sweep off masonry with a steel broom and clean off any separating layers. In the case of highly absorbent substrates or very warm ambient conditions, prewetting must be carried out.

**APPLICATION CONDITIONS:**

Ambient and substrate temperature  $\geq 5$  °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 / MIXING & CONVEYING:**

Mix KEIM Seccopor-Grosso with approx. 5.0 - 6.0 L (specification per bag) of clean water with a power stirrer to a stiff-plastic consistency without lumps and allow to mature briefly. Do not remix already stiffened material with water. Application can be performed by hand, via continuous mixer or rendering machine. When mixing, mix with a motor whisk for approx. 1 - 2 minutes. The use of a post-mixer (e.g. Rotomix by PFT) is recommended for machine application. Start the plastering machine with a high water supply and then slowly reduce it.

Application time: Apply immediately after mixing, within 30 minutes. Do not remix material that has already stiffened.

**CONSUMPTION:**

approx. 1,4 kg/m<sup>2</sup> per mm

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

**LAYERING SYSTEM:**

Plaster thickness for substrates with a low degree of salinity (cf. valid WTA data sheet "Restoration plaster systems") at least 20 mm, for salt-free application as moisture regulator at least 10 mm. The individual layers must not exceed 22 mm. The levelling of larger unevenness is done with a first layer KEIM Seccopor-Grosso. After roughening, further layers can be applied on the following day. In the case of increased requirements for freedom from cracks, the usual standing times (1 day/mm) must be observed.

**TOP RENDER:**

When using KEIM Seccopor-Grosso as top coat render, the surface can be felted with a sponge float after sufficient stabilisation.

**AFTERTREATMENT:**

KEIM Seccopor-Grosso must be protected from drying out too quickly due to sun or wind, or kept moist if necessary.

**SETTING TIME:**

at least 1 day per mm render thickness (depending on temperature and relative humidity).

Standing time does not apply to the reworking of KEIM Seccopor-Grosso with KEIM Seccopor-Grosso.

In this case, the next layer of plaster can be applied the following day if there are no increased requirements regarding freedom from cracks.

**CLEANING OF TOOLS:**

Clean tools, machines and mixers immediately after use with water. In hardened state only a mechanical removal is possible.

**5. PACKAGING**

Container content	Unit of measure	Quantity on pallet	Type of container
25	kg	36	bag

## 6. STORAGE

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max. storage time	Storage conditions
12 months	dry

## 7. DISPOSAL

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

Waste code: 17 01 01

## 8. SAFETY INSTRUCTIONS

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Please, refer to the Material Safety Data Sheet.

## 9. GENERAL INFORMATION

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Due to the drying function of the plaster, salt efflorescence may occur on the plaster surface if the substrate is exposed to salt. These can be swept off if necessary. To ensure drying, make sure that the room is sufficiently ventilated.

Painting is only reliably possible on salt-free and hardened surfaces. Minimum waiting time before painting 14 days. KEIM Ecosil-ME or KEIM Biosil is recommended for interior use. KEIM Unikristalat, KEIM Purkristalat and KEIM Granital are suitable for exterior use. Strongly sintered layers should be removed by suitable methods before painting.

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.

## 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.



**KEIMFARBEN GMBH**

Keimstraße 16 / 86420 Diedorf / Tel. +49 821 4802-0 / Fax +49 821 4802-210  
Frederik-Ipsen-Straße 6 / 15926 Luckau / Tel. +49 35456 676-0 / Fax +49 35456 676-38  
www.keim.com / info@keimfarben.de