



TECHNICAL DATA SHEET

KEIM SECCOPOR®-GROSSO

1. PRODUCT DESCRIPTION

Special render with particularly good moisture transport and excellent moisture regulation.

Normal render mortar according to DIN EN 998-1.

Factory prepared dry mortar on lime cement basis with mineral and special pore inducing aggregates. Corresponds to mortar category CS II (mortar group PII according to DIN V 18550). The binding agent used for KEIM Seccopor-Grosso provides a high sulphate resistance.

2. FIELD OF APPLICATION

EIM Seccopor-Grosso is used

- for the restoration and fast drying of damp walls in interior and exterior spaces. Especially suitable for damp cellar rooms, after flood damages, in historic or old buildings etc.,
- as moisture regulation in damp rooms to prevent from mould contamination,
- on substrates with a low salt content (to WTA technical information on „restoration render systems“). If the salt concentration is not clear a salt analysis is recommended before,
- for exterior use. The illustrations in the KEIM Seccopor brochure have to be observed when performing the plinth. KEIM Seccopor-Grosso is not suitable for the plinth area.

3. PRODUCT PROPERTIES

Unique drying performance due to specific pore geometry and extremely high diffusion capability.

- Short standing times between processing steps and therefore significantly reduced construction process possible.
- In case of salt contamination in combination with high humidity, salt transport to the building material surface is possible. Therefore possibly reduced coating capability (preliminary examination and salt analysis recommended).
- High capillary water transport
- High layer thickness possible thanks to high wet stability
- Applicable in one layer
- grain size: up to 2.0 mm
- Gross density of fresh mortar: approx. 1.45 kg/dm³
- Gross density of firm mortar: approx. 1.30 kg/dm³
- Porosity of cured mortar: ≥ 40%

Material characteristics according to DIN EN 998-1:

- Pressure resistance after 28 days: 1.5 - 5.0 N/mm² Category CSII
 - Water vapour permeability μ : ≤ 11 Class A1
 - Fire behaviour: Class A1
 - Capillary water absorption: W0
 - Thermal conductivity $\lambda_{10, \text{dry, mat}}$: ≤ 0.39 W/(mK) for P=50%
≤ 0.43 W/(mK) for P=90%
- (table values to EN 1745)

4. APPLICATION INSTRUCTIONS

Substrate preparation:

Remove damaged old render and crumbly joint mortar until 80 cm beyond the visible edge of damage down to the sound masonry. Remove building rubble from the construction site immediately. Brush down the masonry with a wire brush and clean off separating layers if existent.

Machine processing:

Can be processed with any customary plastering machine. The use of a remixer is recommended (e.g. Rotomix by PFT), particularly, for long conveying distances. Start plastering machine with high water supply and then reduce slowly.

Processing:

Add bag content to 5-6 l of water and mix with a suitable mixer for approx. 1-2 minutes. The mixing time must be strictly observed. Don't add any other additive. Processing time: apply within 30 minutes immediately after mixing. Do not remix already stiffened material.

Render structure:

Render thickness at least 20 mm on slightly salty substrates (see current WTA technical information on „restoration render systems“) and as moisture regulator on salt-free substrates at least 10 mm.

Single layers should not exceed 20 mm. Always prewet dry, absorbing substrates. Apply a rough key coat (50% of the surface should be covered) with KEIM Porosan-Trass-Zementputz on difficult substrates, e.g. smooth, non-absorbing surfaces, concrete and aerated concrete.

Larger irregularities are equalised with the first layer of KEIM Seccopor-Grosso. Further layers can be applied in each case on the following day after roughening. In case of



an increased demand for a surface without cracks the common waiting times (1 day /mm) have to be observed. The top coat can be textured, felted or washed in.

Application conditions:

Must not be processed at high air temperatures, strong wind or temperatures below +5°C (air and wall).

Subsequent treatment:

KEIM Seccopor-Grosso has to be protected from too fast dehydration through heat and/or wind and kept moist or covered.

Note:

Due to the drying function of the render salt efflorescences on the render surface may occur in case of high salt concentration in the substrate. These can be swept off if needed. To ensure the drying process inside, the room should have sufficient ventilation.

Coloured paint coating:

Strong sintering layers should be removed using appropriate methods. A coating can only be performed on salt-free and hardened surfaces. The minimum setting time before painting is 14 days. For interior spaces KEIM Ecosil-ME or KEIM Biosil is recommended and for outside KEIM Unikristalat, KEIM Purkristalat or KEIM Granital.

Consumption:

Approx. 1.4 kg per m² and mm render thickness. 1 bag (25 kg) equals to approx. 1.0 m² at a layer thickness of 20 mm.

Cleaning of tools:

Immediately after use with water.

5. PACKAGING

25 kg sack (pallet: 36 x 25 kg = 900 kg)

6. STORAGE

Approx. 12 months if kept dry (wooden grating or pallet).

7. DISPOSAL

EC Waste Code No. 17 01 01

Do not allow the product to enter the sewer system. Solidify any residual material with water and dispose of in a building material landfill site. Empty bags should be disposed of in accordance with official regulations.

8. SAFETY INSTRUCTIONS

Giscode: ZP 1

The mineral binder is alkaline. 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.

Please refer to EC Safety Data Sheet.

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 those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.



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