KEIM SECCOPOR®

SYSTEMATIC MOISTURE CONTROL



Important are the pores!

Pores transport water

In nature, pores play an important role for the transport of moisture. Water can be transported up into the leaves of high trees by means of the capillary effect by countless tiny cavities.

Water-repellency prevents capillary transport

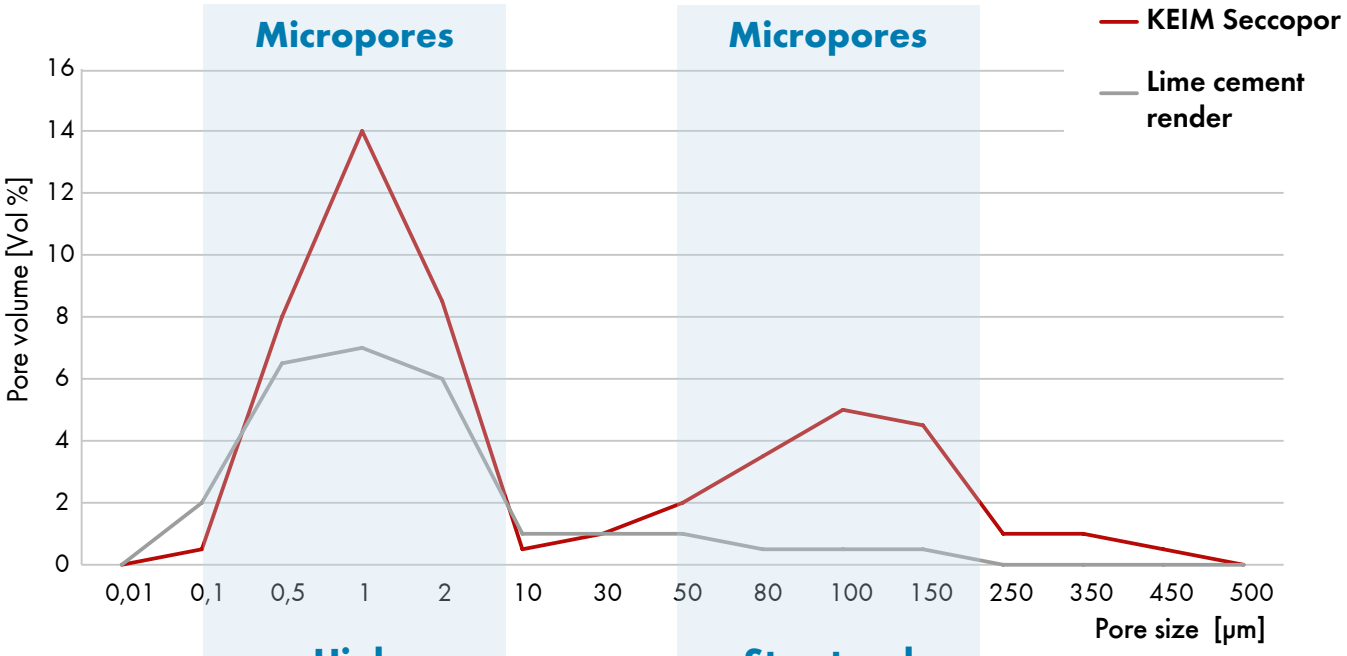
Common renders are normally low-pore and also very hydrophobic. The capillary transport through the narrow pore spaces is prevented by this water-repellent treatment. For this reason, water-repellent renders regulate their moisture content solely via the diffusion of water vapour. The moisture exchange thereby is very much decreased.

Seccopor uses both ways: The water vapour diffusion and the effective moisture transport through the capillaries. The capillary suction behaviour is optimally controlled by the specific use of macropores. Moreover, the macropores provide expansion room for possibly existing salts. By this the crystallization that would destroy the building material structure pressure is very much reduced.

The excellent moisture-equalizing properties of Seccopor lead to an optimal regulation of the air moisture in the room and thus reduce the mould risk.

Seccopor provides maximal moisture transport

Controlled pore development with KEIM Seccopor®



Fast transport of liquid water

Maximal diffusion performance
Expansion space for salts
Natural limit of capillary suction

Specific pore geometry

Excellent moisture transport performance

Low-tension structure

High sulphate-resistance

- Faster moisture transport than with common hydrophobic renders or restoration render systems
- Optimal regulation of room air humidity
- Reduced mould risk because the moisture is led away from the surface
- More solid than lime or loam renders
- Very well suited for use in damp rooms and exterior spaces
- Suitable for masonry with a low salt load (according to WTA*-Technical Information on „Restoration render systems“)
- Applicable even when the substrate is very moist

*(WTA = International association for science and technology of building maintenance and monument preservation)

Wet walls in old buildings? No problem with KEIM Seccopor®

Moisture damages building substance

Moisture can be caused by a lot of reasons and damages the building substance. Dense render systems only conceal the damage and lock the moisture and possible salts in the masonry.
The slow water vapour diffusion way of a customary render is very much in contrast to the well water-absorbing or capillary-active masonry when it is very damp. The damage line increases by the strong water-repellency of sealing renders and the building substance that was sound before restoration measures is often times additionally damaged.

Problem solver KEIM Seccopor

KEIM Seccopor provides a very good drying performance thanks to its particular porosity. In this way, Seccopor counteracts to a further rising of the moisture horizon in the masonry. And plus, Seccopor can be applied to masonry with high moisture degrees without having to perform complex drying measures before.

Seccopor is even ideal for masonry that was damaged by flooding. *

Another benefit: KEIM Seccopor is like a buffer on the wall in rooms suceptible to mould growth due to higher room air moisture or condensed water such as bathroom, kitchen or cellar.

*Seccopor does not eliminate the causes of moisture penetration and is therefore no replacement for a sealing.

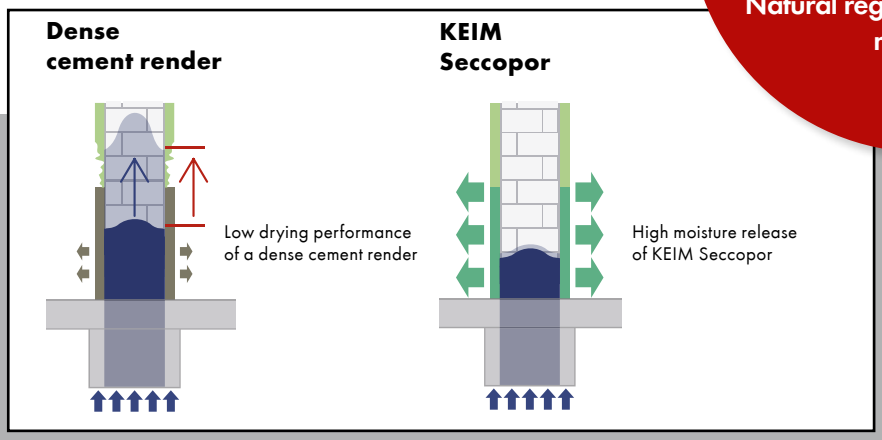
For functional reasons, visible damp stains and salt efflorescences may occur in individual cases, however, they will not impair the durability of the render.

Unique drying behaviour

No rising moisture in the masonry

High sorption capacity

Natural regulation of room air moisture



Restoration of seriously moisture-damaged wall surfaces

Castle Solitude near Stuttgart

Before

After the restoration with Seccopor

KEIM Seccopor® – Processing

1

Remove crumbly render and clean the substrate.

2

Manual application: Mixing time must be observed!

3

Machine application: It is recommended to use a remixer.

4

Apply render.

5

Rub down flat.

6

Prepare the surface with a grid-float before application of top coat render.

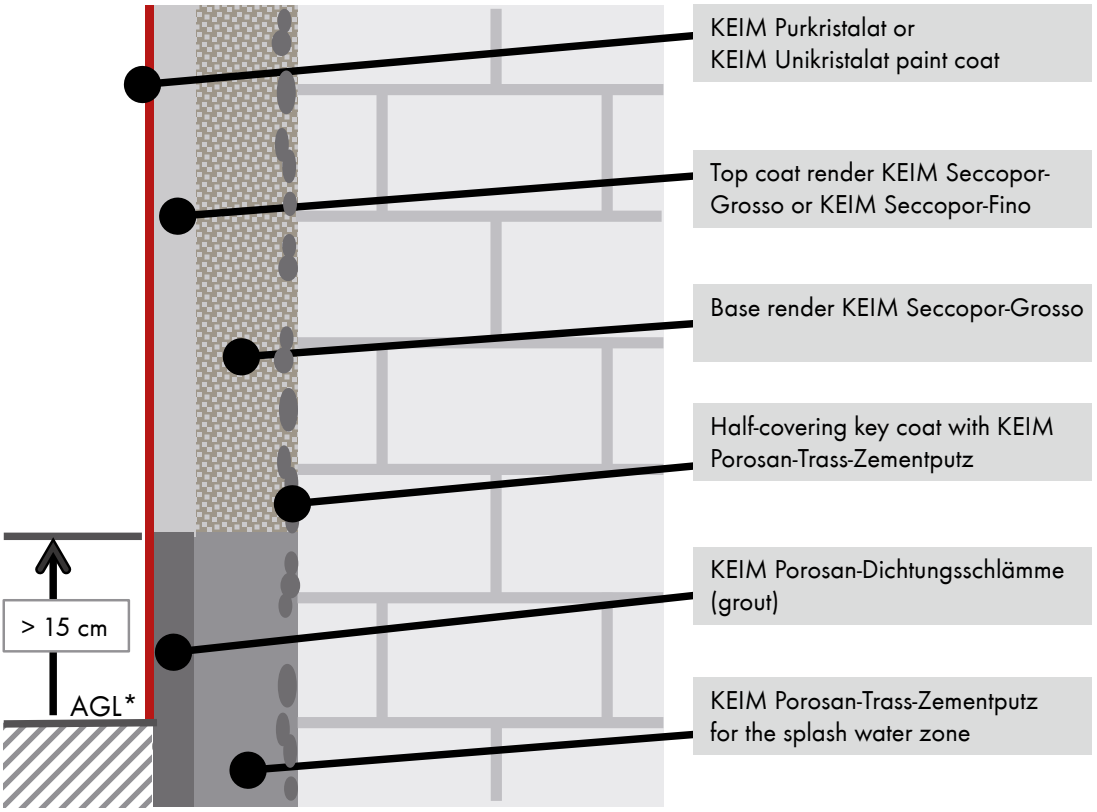
7

Application of top coat render.

8

Pre-felt the top coat with a coarse sponge and finish with a fine sponge.

KEIM Seccopor® –
Design detail exterior plinth



*AGL (above ground level)

	Product	Type of render or paint	Application
Base coat render	KEIM Seccopor-Grosso	Base render	For interior and exterior use even on moisture-laden masonry. Total thickness at least 20 mm. To regulate room air moisture on unladen masonry at least 10 mm.
Top coat render	KEIM Seccopor-Grosso	Render coarse 2.0 mm	Interior and exterior; render thickness at least 10 mm up to max. 20 mm per layer.
	KEIM Seccopor-Fino	Render fine 0.6 mm (natural-white)	Interior and exterior; render thickness at least 5 mm up to max. 7 mm per layer.
Paint coat	KEIM Purkristalat	2-Component silicate paint	Exterior
	KEIM Unikristalat	1-Component silicate paint without dispersion	Exterior
	KEIM Granital*	Silicate emulsion paint	Exterior
	KEIM Ecosil-ME	Highly scrub-resistant universal silicate paint	Interior
	KEIM Biosil	Silicate emulsion paint for healthy living	Interior

* Only recommended when the salt load is low.

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