



1. Product description

Ready-to-use silicate based coating for autoclaved lightweight concrete to DIN 18 363 sect. 2.4.1. for opaque finishes.

2. Field of application

- Coating for autoclaved lightweight concrete components
 - untreated
 - coated with KEIM Porosil-Strukturbeschichtung
 - full-cover filled with KEIM Leichtspachtel
- Coating for KEIM Porosil-Leichtputz on autoclaved lightweight concrete masonry blocked or high-porosity brick (cf. system overview).

3. Product properties

Material characteristics

- Specific weight: approx. 1.55 g/cm³
- Vapor diffusion resistance: $s_d \leq 0.02$ m
- Water absorption coefficient: $w < 0.1$ kg/m²·h^{0.5}
- Colour fastness: A1
(Fb-Code acc. to BFS instruction sheet No. 26)

Colour shades

From KEIM's Palette Exclusiv. Luminosity of > 30; darker colour shades only after consultation with the particular autoclaved lightweight concrete manufacturer.

4. Application instructions

Substrate preparation

The surface must be air-dry, free of dust, grease and dirt. Remove dust and loosely attached areas. Only a suitable repair mortar should be used to make good any damaged corners, edges and deep damaged areas, matching the texture.

Only a suitable filler material should be used to make good small areas of damage of a maximum depth of 5 mm and relatively large pores on the sheet surface.

Substrate preparation

Primer with texture matching:

KEIM Contact-Plus

Primer for weathered surfaces:

KEIM Porosil-Verdünnung

Primer for surfaces exposed to severe moisture:

KEIM Silangrund

Application

KEIM Porosil-Farbe may be applied by brush, roller or by spraying.

Base coat:

dilute with 20-40%

KEIM Porosil-Verdünnung

Top coat:

undiluted

KEIM Porosil-Farbe is roller-applied undiluted as an equalising coat on coloured KEIM Porosil-Strukturbeschichtung.

Consumption

- Base and top coat on untreated autoclaved lightweight concrete:
approx. 0.95 kg/m² KEIM Porosil-Farbe
and 0.2 l/m² KEIM Porosil-Verdünnung.
- Base and top coat on KEIM Leichtspachtel, KEIM Porosil-Strukturbeschichtung or KEIM Porosil-Leichtputz:
approx. 0.35 kg/m² KEIM Porosil-Farbe
and 0.1 l/m² KEIM Porosil-Verdünnung.
- Equalising coat: on coloured KEIM Porosil-Strukturbeschichtung:
approx. 0.20 kg/m² KEIM Porosil-Farbe.

Drying times

Drying time between coats at least 12 hours.

Application conditions

From 5°C air and substrate temperature and up to max. 80% rel. atmospheric humidity. Only work in dry weather conditions. Do not apply in strong sunlight and onto substrates heated by the sun. After application, protect surfaces from rain.

Cleaning of tools

Clean with water immediately after use.

5. Packaging

5 kg and 25 kg containers



6. Storage

12 months in sealed container under cool, frost-free conditions.

7. Hazardous substances ordinance class

n/a

8. Transport hazard class

n/a

9. Disposal

EC Waste Code No. 08 01 12.
Any residues must be emptied out of containers before recycling.

10. Safety instructions

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.

Product code: M-SK 01

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.

