



## KEIM® Silangrund

### 1. Product description

Water-repellent, silane-based primer in an alcohol solution (ready-to-use).

### 2. Field of application

KEIM® Silangrund is suitable for providing a water-repellent finish, in addition to any paint finish, on mineral, porous concrete surfaces exposed to severe water loads or such surfaces which are moisture-sensitive. Surfaces exposed to severe water loads are e.g. the weather sides of high-rise structures (wind pressure), buildings in coastal regions or on islands, bridges, horizontal or slightly inclined areas, areas exposed to splashing adjacent to sidewalks or streets (deicing salt solutions).

Highly moisture-sensitive surfaces are e.g. facades with cracked renders, autoclaved lightweight concrete (ALC), fair-faced brick and limestone masonry (intrinsic salt content), natural stone containing iron salts (brownish discoloration), poor quality concrete surfaces (shrinkage cracks).

### 3. Product properties

KEIM® Silangrund penetrates into the pores and any hairline cracks of the mineral building materials. After evaporation of the solvent, the active component is deposited on the walls of the pore and, once subsequently coated with a KEIM silicate-based, single-component paint system, develops its water-repellent characteristics. This treatment does not seal the pores of the building material, which means that its water vapor permeability remains virtually unchanged.

#### Material characteristics

Physical form: colorless liquid  
Density: approx. 0.8 g/cm<sup>3</sup>

### 4. Application instructions

For treatment with KEIM® Silangrund, the surface of the building material must be open-pored, clean, dust-free and dry. The surfaces to be treated are soaked to satu-

ration twice wet-on-wet with an interval of approx. 10 minutes with KEIM® Silangrund using a brush or, better, by flooding (do not spray).

#### Application conditions

From +5°C up to a maximum substrate temperature of 25°C or a maximum air temperature of 30°C. Avoid direct sunlight and exposure to strong wind.

#### Note

In order to ensure optimum development of water-repellency, KEIM® Silangrund should, once the alcohol solvent has evaporated, be overcoated as soon as possible (after approx. 4 hours) with a suitable KEIM priming coat.

#### Depth of penetration

A minimum depth of penetration of 2 mm is necessary in order to achieve effective water-repellency.

#### Consumption

In order to achieve this minimum depth of penetration, different quantities of KEIM® Silangrund are required in different building materials due to their differing pore volumes:

Concrete: 0.2 – 0.3 liter/m<sup>2</sup>

Render: 0.4 – 0.6 liter/m<sup>2</sup>

ALC: 0.6 – 0.8 liter/m<sup>2</sup>

Sandstone: 0.4 – 0.8 liter/m<sup>2</sup>

Brick: 0.4 – 0.6 liter/m<sup>2</sup>

Limestone: 0.3 – 0.5 liter/m<sup>2</sup>

The stated consumption figures are guide values. Exact values can only be determined by painting trial areas on the structure to be coated.

#### Cleaning of tools

In a bucket of water with a few drops of detergent. Rewash under running water.

### 5. Packaging

5 liter and 25 liter containers

### 6. Storage

KEIM® Silangrund has a shelf life of 12 months under cool, dry conditions. Protect from heat and direct sunlight. Always carefully seal opened containers. It is essential to avoid contact with moisture. →

---

## 7. Hazardous Substances Ordinance class

F Highly flammable.

Xi Irritant

contains isobutyltriethoxysilane.

R11: Highly flammable.

R38: Irritating to the skin.

S16: Keep away from sources of ignition - No smoking.

S23: Do not breath fumes/vapor/aerosol.

S37/39: Wear suitable gloves and eye/face protection.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

### Classification according to Flammable Liquids Ordinance

**A I**

## 8. Transport hazard class

**Class: 3**

**Packaging group: II**

**UN No.:** 1170

## 9. Disposal

EC Waste Code no. 08 0111

Any residues must be emptied out of containers before recycling.

## 10. Safety instructions

Provide appropriate protection for surfaces which are not to be treated (e.g. glass, ceramics, wood etc.). Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with water. Protect the eyes and skin from splashes. When using in confined spaces, keep container tightly closed. Keep away from sources of ignition. Keep out of reach of children.

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 supercedes all earlier editions.