



TECHNICAL DATA SHEET

KEIM SILANGRUND

1. PRODUCT DESCRIPTION

Hydrophobic silane-based primer in alcoholic solution (ready-to-use). KEIM Silangrund Penetrates into the pores and possibly existing hairline cracks of the mineral building material. After evaporation of the solvent, the active ingredient is deposited on the pore walls and only develops its water-repellent properties after being overpainted with a suitable KEIM paint system. The pores of the building material are not closed by this treatment, so that the water vapour permeability of the building material is practically maintained.

2. FIELD OF APPLICATION

With KEIM Silangrund, mineral, porous building material surfaces that are heavily exposed to water or sensitive to moisture can be provided with a water-repellent finish – in addition to technical coating measures.

Highly water-stressed building material surfaces are e.g. weather sides of buildings (wind pressure), buildings near the coast or on sea islands, bridges, horizontal or only slightly inclined surfaces, splash water-stressed surfaces on pavements or roads (de-icing salt solution).

Surfaces that are highly sensitive to moisture are e.g. cracked facade plaster, aerated concrete, exposed brickwork and sand-lime bricks (intrinsic salts), natural stone containing iron salts (brown discolouration), poor quality concrete surfaces (shrinkage cracks).

3. PRODUCT PROPERTIES

- highly water-repellent
- highly permeable

MATERIAL CHARACTERISTICS:

- Density: approx. 0.8 - 0.9 g/cm³
- Flash point: 4 °C
- Active ingredient: Silane/siloxane base

CLASSIFICATION:

- Penetration depth: For a functioning hydrophobicity of building surfaces, a minimum penetration depth of 2 mm is required.

COLOUR SHADES:

colourless

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues.

APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying from ≥ 5 °C to ≤ 30 °C. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

TECHNICAL DATA SHEET – KEIM SILANGRUND

APPLICATION:

The surfaces to be treated are saturated with KEIM Silangrund by brush or better by flooding (do not spray) twice wet-on-wet, at intervals of approx. 10 minutes.

FINISHING:

For optimum development of its water-repellent properties, KEIM Silangrund should be recoated with a suitable KEIM primer coat as soon as possible after the alcoholic solvent has evaporated (after approx. 4 hours).

DRYING TIME:

Can be overcoated after 4 hours at the earliest (at 23 °C and 50% RH). At higher relative humidity, layer thicknesses and/or lower temperatures, drying is delayed accordingly.

CONSUMPTION:

approx. 0,2 - 0,8 l/m² Application as primer.

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

CLEANING OF TOOLS:

Clean immediately with water.

5. PACKAGING

Container content	Unit of measure	Quantity on pallet	Type of container
25	l	8	jerry can
5	l	78	jerry can

6. STORAGE

max. storage time	Storage conditions
12 months	cool dry protected from heat and direct sun.

7. DISPOSAL

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

EC WASTE CODE:

Waste code: 08 01 11 *

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

GISCODE:

GIS code: BSL 50

9. GENERAL INFORMATION

Should not be brought into direct contact with bitumen.

When working in closed rooms, keep containers tightly closed. Keep away from sources of ignition.

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.

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.