



## TECHNICAL DATA SHEET

# KEIM SILAN PRIMER

## 1. PRODUCT DESCRIPTION

KEIM Silan Primer is a water repellent silane-based primer for use with KEIM Mineral Paint Systems.

## 2. FIELD OF APPLICATION

KEIM Silan Primer is a hydrophobic impregnation (water repellent) for mineral substrates with the ability to resist the passage of some waterborne salts.

## 3. PRODUCT PROPERTIES

KEIM Silan Primer penetrates the pores and any hairline cracks of 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 Mineral paint system develops water repellent characteristics.

KEIM Silan Primer does not seal the pores of the building material, ensuring that the water vapour permeability of the substrate remains virtually unchanged.

- Easy to apply
- Non-flammable (when dry)
- Water repellent
- Helps resist the passage of salts

### Material characteristics

Density:	Q = 0.8g/cm <sup>3</sup>
Flash Point:	4°C
Composition:	Triethoxysobutylsilane, silane concentration 20% in ethanol.
Boiling Point	84°C
Viscosity	1.15mPa (20°C)

## 4. APPLICATION INSTRUCTIONS

### Substrate preparation

All loose, flaking and unstable material must be identified and then thoroughly removed, all surfaces must be thoroughly washed down with

clean cold water to remove all surface dirt and dust. When all surfaces are clean, sound, wind dry, dust free and free from all surface contaminants, decoration using KEIM Silan Primer may proceed.

### Application

KEIM Silan Primer should be applied to bare areas as a flood coat, by brush or low-pressure spray, undiluted and within a period of 2 to 6 hours, and these times are critical, the first coat of KEIM Mineral Paints must be applied.

### Application conditions

Ambient and substrate temperature above 5°C and below 30°C. Do not apply in direct sunlight or onto sun-heated surfaces, nor if it is raining or if there is an immediate likelihood of rain.

### Cleaning of tools

Clean immediately after use with water.

### Consumption

Approx. 0.2lt/m<sup>2</sup> per flood coat application.

Consumption rates are offered for guideline purposes only and are quoted for smooth surfaces. Actual rates are the responsibility of the applicator. Project specifications should be referred to for specific rates.

## 5. PACKAGING

5 lt containers

## 6. STORAGE

Approx. 12 months, if kept cool but frost free in tightly closed containers. Store dry, do not expose to direct heat. After use, cans must be closed properly to prevent penetration of moisture.

### 7. DISPOSAL

EC Waste Code No. 08 01 11

Any residues must be emptied out of containers before recycling.

### 8. SAFETY INSTRUCTIONS

Provide appropriate protection for surfaces which are not to be treated. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. When using in confined spaces, keep container tightly closed. Keep away from sources of ignition. Protect the eyes and skin from splashes. Do not eat, drink or smoke during application. Keep out of reach of children.

Please, refer to the EC Material 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.

