



## TECHNICAL DATA SHEET

# KEIM LOTEXAN®

## 1. PRODUCT DESCRIPTION

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Clear, hydrophobic finishing treatment based on silane/siloxane. KEIM Lotexan Is made up of very small-parts and penetrates deep into the pores of the building material. After evaporation of the solvent, the active substance is deposited on the pore walls and forms its water-repellent effect through a chemical reaction with the normal building material and air humidity. The pores remain open and the water vapour diffusion capacity of the building material is maintained.

## 2. FIELD OF APPLICATION

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KEIM Lotexan is suitable as a water-repellent protective treatment for mineral plasters and paints, exposed concrete, prefabricated concrete parts, exposed aggregate concrete, sand-lime bricks as well as for cement fibre boards. In addition, KEIM Lotexan is suitable for all common, uncoated and porous natural stones (alkaline and neutral). KEIM Lotexan Protects against water, acid rain and atmospheric pollution.

## 3. PRODUCT PROPERTIES

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- non-film forming
- good penetration property
- highly water-repellent
- highly water vapour permable
- alkali-resistant
- highly weather-resitant

### MATERIAL CHARACTERISTICS:

- Density: approx. 0,8 - 0.9 g/cm<sup>3</sup>
- Active ingredient: Silane/siloxane base

### CLASSIFICATION:

- Water absorption coefficient w: < 0,1 kg/(m<sup>2</sup>√h)
- Penetration depth: Klasse I: < 10 mm

### COLOUR SHADES:

colourless

## 4. APPLICATION INSTRUCTIONS

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### SUBSTRATE PREPARATION:

The substrate must be sound, solid, dry, clean and free from dust and grease. A natural stone surface must also be absorbent.

### APPLICATION CONDITIONS:

Ambient and substrate temperature during application and drying must be  $\geq 5$  °C.

### CONSUMPTION:

approx. 0,4 - 0,8 L/m<sup>2</sup> for two coatings.

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

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### APPLICATION:

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

### Penetration depth:

A minimum penetration depth of 2 mm is normally required for a functional hydrophobic coating. For very coarse-pored natural stone, a minimum penetration depth of up to 5 mm may be necessary.

### Note:

KEIM Purkristalat coatings can be treated with KEIM Lotexan 8 days after the final coat at the earliest. A waiting period of at least 10 days must be observed for previous natural stone or joint repairs or consolidation with KEIM Silex-OH.

### CLEANING OF TOOLS:

Clean immediately with water and some drops of detergent.

## 5. PACKAGING

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Container content	Unit of measure	Quantity on pallet	Type of container
25	L	14	metal canister
5	L	100	metal canister

## 6. STORAGE

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max. storage time	Storage conditions
12 months	cool dry frost-free protected from heat and direct sun. keep container tightly sealed.

The ingress of moisture must be avoided. Flammable substance. Store separately. Keep away from oxidising agents, sparks, heat and open flames.

## 7. DISPOSAL

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

Waste code: 14 06 03\*

## 8. SAFETY INSTRUCTIONS

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Please, refer to the Material Safety Data Sheet. EU limit value for this product .  
This product contains: - g/l VOC.

GISCODE: BSL 50

## **9. GENERAL INFORMATION**

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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.



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