TECHNICAL DATA SHEET

KEIM LOTEXAN®

1. PRODUCT DESCRIPTION

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

KEIM Lotexan is a water-repellent protective treatment suitable for mineral-based plasters and paints, exposed concrete, precast concrete elements, exposed aggregate concrete, sand-lime brick and cement fibre boards. Furthermore, KEIM Lotexan is suitable for all common, unpainted and porous natural stones (alkaline and neutral). Thanks to its water-repellent properties, KEIM Lotexan protects against water and dirt.

3. PRODUCT PROPERTIES

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

MATERIAL CHARACTERISTICS:

– Density	approx. 0.8 g/cm³ - 0.9 g/cm³
– Active ingredient	Silane/siloxane base

CLASSIFICATION:

– Water absorption coefficient w	< 0,1 kg/(m²√h)
– Penetration depth	Class I: < 10 mm

COLOUR SHADES:
colourless

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:
The substrate must be load-bearing, sound, dry, clean and free from dust and grease.
A natural stone surface must also be absorbent.

APPLICATION CONDITIONS:
The air and substrate temperature during application and drying must be ≥ 5 °C.

CONSUMPTION:
approx. 0,4 - 0,8 L/m² for two coatings.
The information on material consumption is a guide for smooth substrates. Exact consumption figures must be determined by carrying out test areas.

PROCESSING:
The surfaces to be treated are thoroughly saturated with KEIM Lotexan using a brush or, preferably, by the flooding method (do not spray), applied wet-on-wet twice at intervals of approx. 10 minutes.

Penetration depth:
A minimum penetration depth of 2 mm is normally required for effective water repellency. For very coarse-pored natural stone, a minimum penetration depth of up to 5 mm may be necessary.

Note:
KEIM Purkristalat coatings may be treated with KEIM Lotexan no earlier than 8 days after the final coat. Following any prior repairs to natural stone or joints, or consolidation with KEIM Silex-OH-100, a waiting period of at least 10 days must be observed.

TOP COAT:

PAINT STRUCTURE:

POST-TREATMENT:

CLEANING OF TOOLS:
Clean immediately with water and some drops of detergent.

5. PACKAGING

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

6. STORAGE

Maximum 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

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

Waste code: 14 06 03*

8. SAFETY INSTRUCTIONS

Refer to the safety data sheet. For professional use only.

GIS code: BSL 50

9. GENERAL INFORMATION

Cover surfaces not to be treated, particularly glass, ceramics and natural stone. Splashes on surrounding surfaces or traffic areas must be immediately diluted with plenty of water and removed.
Mixing with products from other systems or other external 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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