



KEIM Lotexan® Water repellent

1. Product description

Colourless, siloxane-based water repellent final treatment.

2. Field of application

KEIM Lotexan® is suitable as a water repellent protective treatment for mineral renders and coatings, fair-faced concrete, prefabricated concrete elements, exposed aggregate concrete, calcareous sandstone and fibre-cement boards. KEIM Lotexan® provides protection from water, acid rain and atmospheric pollution.

3. Product properties

Due to its very small particle size, KEIM Lotexan® penetrates deep into the pores of building materials. Once the solvent has evaporated, the active ingredient is deposited on the walls of the pores and develops its water repellency by reacting chemically with the moisture normally present in the building material and the atmosphere. The pores remain open and the building material's water vapour permeability is retained.

- highly water-repellent
- non-film-forming
- complete water vapour permeability
- penetrates deep into the material
- elevated alkali resistance
- reduces soiling, growth of moss and algae
- weathering resistant

Material characteristics

Physical form: colourless liquid
Specific weight: approx. 0.8 g/cm³

4. Application instructions

The substrate must be dry, absorbent, clean and free of dust and grease.

The surfaces to be treated are soaked to saturation twi-

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

Note

At least 8 days must elapse after application of the finishing coat of KEIM Purkristal® coatings before carrying out treatment with KEIM Lotexan®.

Depth of penetration

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

Application conditions

Ambient and substrate temperature > +5°C.

Do not apply in direct sunlight or onto sun-heated substrates.

Consumption

In order to achieve the minimum depth of penetration, consumption values for saturating the substrate twice range, depending on pore volume, between 0.2 l and 0.8 l/m². 0.4 l/m² is usually sufficient. The stated consumption values are for guidance and depend on the nature of the substrate. Exact consumption 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 l and 25 l containers

6. Storage

KEIM Lotexan® 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. Keep away from oxidising agents.



7. Hazardous Substances Ordinance class

- Xn Harmful
N Dangerous for the environment, contains aromatic hydrocarbons
- R10: Flammable
R51/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.
S2: Keep out of reach of children.
S13: Keep away from food, drink and animal feeding stuffs.
S23: Do not breathe gas/fumes/vapour/aerosol.
S36: Wear suitable protective clothing.
S43: In case of fire, use extinguishing powder, never use water.
S57: Use appropriate container to avoid environmental contamination.

Classification according to Flammable Liquids Ordinance

A II

8. Transport hazard class

Class: 3
Packaging group: III
UN No.: 1993

9. Disposal

EC Waste Code no. 08 01 11

Any residues must be emptied out of containers before recycling.

10. Safety instructions

Provide appropriate protection for surfaces which are not to be coated (e.g. glass, natural stone, ceramics, wood etc.). Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. When using, do not eat, drink or smoke. Keep out of reach of children.

Product code: n/a

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.