

Technical Data Sheet

KEIM Lotexan-N (Water repellent)



1. Product description

Colorless, siloxane-based water repellent final treatment.

2. Field of application

KEIM Lotexan-N is suitable as a water repellent protective treatment, in particular for uncoated, porous natural stone. It can be used to protect all usual kinds of natural stone, whether alkaline or neutral, from water, acid rain and atmospheric pollution.

3. Product properties

KEIM Lotexan-N penetrates into the pores of the natural stone. 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.

This treatment does not seal the pores in the natural stone, which means that its water vapor permeability remains practically unchanged.

Material characteristics

- Physical form: colorless liquid
- Density: approx. 0.8 g/cm³

4. Application instructions

For treatment with KEIM Lotexan-N, the surface of the natural stone must be open-pored, dust-free and dry. The surfaces to be treated are soaked to saturation twice wet-on-wet with an interval of approx. 10 minutes with KEIM Lotexan-N using a brush or, better, by flooding (do not spray).

Please note

If repairs have previously been carried out on the natural stone or the joints in the masonry or if the surface has been consolidated with KEIM Silex-OH, at least 10 days must be allowed to elapse before applying KEIM Lotexan-N.

Depth of penetration

A minimum depth of penetration of 2 mm is normally necessary in order to achieve effective water repellency. A minimum depth of penetration of 5 mm may be necessary for very coarse pored types of stone.

Application conditions

Air and substrate temperature: > 5°C (41°F). Do not apply under direct sun or onto sun-heated substrates.

Consumption

In order to achieve the minimum depth of penetration in two saturation applications, the consumption values range between 0.4 l and 0.8 l/m² (13.5 - 27 fl oz per 10.8 sq ft) depending on the substrate pore volume. Exact consumption values can only be determined by painting trial areas on the structure to be coated or by sending samples for laboratory testing.

Cleaning of tools

In a bucket of water with a few drops of detergent. Rewash under running water.

5. Packaging

5 l or 25 l (1.3 and 6.6 gal) containers



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6. Storage

KEIM Lotexan-N 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.

7. Hazardous substances ordinance class

Xn	Harmful
N	Dangerous for the environment, contains aromatic hydrocarbons.
R 10:	Flammable
R 22:	Harmful if swallowed.
R 51/53:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65:	Harmful: May cause lung damage if swallowed.
R 67:	Vapors may cause drowsiness and dizziness.
S 2:	Keep out of reach of children.
S 23:	Do not breathe vapor.
S 36:	Wear suitable protective clothing.
S 43:	In case of fire, use extinguishing powder, never use water.
S 57:	Use appropriate container to avoid environmental contamination.
S 61:	Avoid release to the environment. Refer to special instructions/safety data sheets.
S 62:	If swallowed do not induce vomiting; seek medical advice immediately and show this container or label.

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 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, if necessary wash off immediately with water. When using, do not eat, drink or smoke. Keep out of reach of children.

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