KEIM LOTEXAN

Water repellent protective treatment

May 2024

PRODUCT:
Colourless, siloxane-based water-repellent final treatment.

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.

STANDARD PACKS:
5 & 25 litre containers.

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
- Weathering resistant

TECHNICAL DATA:

Material Characteristics	Keim Lotexan
Physical form	Colourless liquid
Specific weight	Approx. 0.8 g/m^3

SUBSTRATE PREPARATION:
The substrate must be sound, dry, clean and free of dust and grease.
The surfaces to be treated are soaked to saturation twice 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 Purkristalat 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 litre and 0.8 litre/m^2. 0.4 litre/m^2 is usually sufficient.

The stated consumption value is for guidance and depends on the absorbency and texture 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.

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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.

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.
S23	Do not breathe gas/fumes/vapour/aerosol.
S36	Wear suitable protective clothing.
S43	In case of fire, use sand, carbon dioxide or extinguishing powder, do not use water.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show the container or label.

CLASSIFICATION ACCORDING TO FLAMMABLE LIQUIDS ORDINANCE:
A II

TRANSPORT HAZARD CLASS:
Class: 3
Packaging group: III
UN No.: 1993

DISPOSAL:
EC Waste Code no. 08 01 11
Any residues must be emptied out of containers before recycling.

HEALTH AND SAFETY:
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

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	Germany
Legal and trading name of manufacturer	KEIMFARBEN GMBH
Manufacturer address for service	86420 Diedorf, Keimstraße 16
Manufacturer website	www.keim.com
Manufacturer email	info@keimfarben.de
Manufacturer phone number	+49 821 4802-0

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