



TECHNICAL DATA SHEET

KEIM LOTEXAN[®] N

1. PRODUCT DESCRIPTION

KEIM Lotexan N is a siloxane based water repellent impregnation to reduce the water absorption of natural stone. Also used as a dust suppressant.

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 common 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 stone and the atmosphere.

This treatment does not seal the pores in the natural stone, ensuring that its water vapour permeability remains practically unchanged.

- Easy to apply
- Water vapour permeable
- Totally clear
- Surfaces show no sign of treatment

Material characteristics

Water vapour permeability: s_d value 0.05m

Water transmission coefficient: 0.05 kg/m²h^{0.5}

Density: approx. 0.8g/cm³

Colour shades

Colourless

4. APPLICATION INSTRUCTIONS

Substrate preparation

All gaps, cracks and holes in the substrate must be filled prior to any further treatment. Any suspect mortar jointing should be raked out and re-instated where necessary. Any newly repaired areas must be allowed to dry out for a minimum period of 15 days prior to the application of KEIM Lotexan N.

All surfaces should be washed down with clean cold water to remove all surface dirt and dust.

Application

KEIM Lotexan N should be applied by low pressure spray or brush, working from the bottom of the substrate upwards, firstly in a horizontal manner. After a period of approximately 10 minutes a further application may be applied, again from bottom to top, this time in a vertical manner, thus ensuring that all facets of the substrate are well coated.

It is important that KEIM Lotexan N is applied onto a dry surface and during a period of time of at least 2 hours when no rain is expected.

To prevent the possibility of water ingress through adjoining walls, which would migrate through to the offending areas, contractors should apply KEIM Lotexan N products in the manner mentioned above onto any flank or adjoining walls for a depth of at least 1 metre down these walls, even though these areas may not be exhibiting water ingress internally.

Depth of penetration

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

Application conditions

Ambient and substrate temperature above 5°C and below 30°C. Do not apply in direct sunlight

or onto sun-heated surfaces, nor if it is raining or if there is an immediate likelihood of rain.

Consumption

Approx. 0.4lt/m² for two coats.

Consumption rates are offered for guideline purposes only and are quoted for smooth rendered surfaces. Actual rates are the responsibility of the applicator. Project specifications should be referred to for specific rates.

Cleaning of tools

Clean immediately after use with solvent.

5. PACKAGING

5 lt containers

6. STORAGE

Approx. 12 months, if kept cool, but frost free in tightly closed containers. Protect from heat and direct sunlight.

7. DISPOSAL

EC Waste Code No. 08 01 11

Any residues must be emptied out of containers before recycling.

8. SAFETY INSTRUCTIONS

Cover surfaces which are not to be painted, in particular glass, natural stone, ceramics etc. Protect the eyes and skin from splashes. Keep out of reach of children.

Please, refer to the EC Material Safety Data Sheet

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.

