



CSX.0260

QL NANOSIL RAINPROOF

Water and oil repellent treatment
for absorbent floors

Customs Code

3824 9970

Packaging

- Plastic can 5 l
- Plastic can 25 l

Application

- Low pressure airless nebulizer
- Brush
- Paint roller
- Sprayer

Family
Consilex

Product Lines

- Building
- Infratech
- Floor

Type
Water-based siloxane solutions

Functional Categories

- Construction of high performance industrial concrete floors
- Waterproofing treatments of plasters and masonry
- Wall structure treatments and repair of industrial concrete floors
- Prefabrication
- Curing compounds for industrial floors, screeds and concrete in general
- Construction of concrete floors with the technique of the 'washed gravel'

Components
Single-component

Appearance
Liquid

General description

QL NANOSIL RAINPROOF is a product in aqueous solution, with high performance fluorinated silane-siloxane polymers, designed to be a greater repellent to water and oil on all absorbent concrete and masonry surfaces, indoors and outdoors.

QL NANOSIL RAINPROOF is non-toxic, odourless, non-flammable and very simple to use.

QL NANOSIL RAINPROOF has a small molecular structure that allows in-depth penetration of the surfaces without modifying the appearance and shine; it offers excellent resistance to water and oil and is resistant to stains caused by spilling oil and seed oil, coffee, ketchup, mustard and other foodstuff substances.

QL NANOSIL RAINPROOF reduces the damage caused by frost - defrost and saline efflorescence. Surfaces treated with QL NANOSIL RAINPROOF have no film or surface film. The life expectancy planned for the treated surface is approx. 5 - 10 years (based on the application and use).

General features

It is an odourless, waterproof, oil repellent and stain-proof product for surfaces in concrete and masonry work both for indoors and outdoors. It has exclusive new generation technology formulated on the basis of three different polymers: Silanes, siloxanes and fluoropolymers. It is water based, does not contain solvents and has zero VOC value.


Dosage

QL NANOSIL RAINPROOF can be used as it is or diluted in demineralized water up to 1:3 maximum in case of highly absorbing materials. Apply from 0.1 to 0.2 litres of QL NANOSIL RAINPROOF per square metre of surface to be treated.


Fields of application


QL NANOSIL RAINPROOF is a water and oil repellent for absorbent surfaces such as concrete, brick, masonry and stone, including: architectural concrete floors in washed gravel, surfaces in concrete, footpaths, blocks in concrete, reconstructed stone, moulded concrete, blocks, road manufactured works in concrete in general.

Basic features

 Density:
 $\pm 1 \text{ kg/dm}^3$

 Nonflammable

 Solvent-free

 Available colours
Yellow

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Technical specifications

Boiling point/range: 100 °C

pH: 5 ± 1 _

Tools cleansing

- Water

Applicable on

- Concrete
- Bricks
- Mixed walls (bricks and stones)
- Brickworks
- Stone walls
- Rock walls
- Porphyry and natural stones

Substrate preparation

You are advised to do a test application on a small piece to identify suitability of the product and the result. Leave the surface to dry before application.

1. The surface of the works to treat must be clean, structurally safe and free of wax, dirt, coatings, paint, seasoning agents and chemical residue.
2. Cracks, control joints and construction joints must be adequately prepared and sealed. Cement residue must be removed.
3. Remove dust before applying QL NANOSIL RAINPROOF
4. The concrete surface smoothed with a trowel must be tested in advance to view the penetration capacity and to estimate consumption.
5. Before application, carefully cover and protect windows, frames and any surface that can accidentally come in contact with the product. In the event of a leak, clean with water immediately.

Instructions for use

1. Apply the product on concrete surfaces after at least 7 days from completion of the cast
2. Do not apply QL NANOSIL RAINPROOF on surfaces with a temperature under 5°C.
3. Do not apply outside if raining or snowing.
4. QL NANOSIL RAINPROOF must be applied with a low pressure spray, airless sprayer, roller or brush. Apply 1 litre per 5 to 10 m². Consumption varies based on the porosity of the surface.
5. Apply one or more coats based on the surface porosity. Apply the second coat "fresh on fresh", when the first is not yet dry. The drying time depends on the atmospheric conditions (temperature, humidity, wind, etc.).
6. Do not leave excess product on the surface. Remove the excess product with a clean cloth before drying.
7. On some surfaces with few pores (as marble and granite) spray the surface with clean water before applying QL NANOSIL RAINPROOF. This procedure opens the substrate pores and makes penetration of the product easier.
8. On vertical surfaces, always apply the product from the base upwards.
9. Clean the equipment with water.

Maximum protection is reached after 3-6 days of treatment.

Storage and preservation

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Store the product at a temperature between +5°C and +35°C.



Warnings, Precautions and Ecology

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.

Remember that the user is obliged to read the most recent safety data sheet for the product, containing the chemical-physical and toxicological data, the risk phases and other information to transport, use and dispose of the product and its packaging in complete safety. You are however reminded not to dispose of the product and its packaging in the environment. You are not advised to use it on horizontal surfaces outdoors or surfaces subject to rainfall. Keep away from open flames and heat sources, do not smoke during application, use with safety gloves and goggles.

QL NANOSIL RAINPROOF is produced/distributed by



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